CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Roads, Kansas City, Mo., City defeated bond election, $5,500,000.

Paper mill, Halifax, N. S., Mersey Paper Co., Ltd., plans, $5,000,000.

Irrigation and drainage system, etc., San Juan, Tex., Pharr-San Juan-Alamo Irrigation Dist. of Hidalgo County, voted bonds, $3,000,000.

Hotel, store and bus terminal, Hamilton, Ont., Royal Hotel & Terminal, plans, $3,000,000.

Office, New York, N. Y., Two Hundred Seventy Broadway Co., take bids late in October, $2,500,000.

Sewers and extensions, Knoxville, Tenn., voted bonds, $2,000,000.

Gymnasium, church, school and laundry, New York, N. Y., Vinross Realties, Inc., plans, $2,000,000.

Roads, Gainesville, Tex., Cooke County, election latter part of August, $2,000,000.

Warehouse, Walkerville, Ont., International Terminals Ltd., Windsor, plans, $2,000,000.

Electric power plant, New York, N. Y., New York Edison Co., plans, $1,850,000.

Hotel, Newark, N. J., Bowman Biltmore Hotel Corp., c/o Hotel Development Service, New York, N. Y., sketches, $1,500,000.

Medical office, Jersey City, N. J., Syndicate, c/o W. Freile, plans, $1,500,000.

Hotel, New York, N. Y., West 49th Street Constr. Corp., plans, $1,250,000.

Sewage disposal plant, San Antonio, Tex., preliminary plans, $1,250,000.

Seminary, New York, N. Y., Jewish Theological Seminary of America, plans, $1,200,000.

Apartment, New York, N. Y., Three Hundred Two East 79th Street Corp., plans, $1,000,000.

Factory, Chicago, Ill., Francisco & Jacobson, archts., New York, N. Y., take bids late in September for Container Corp., Chicago, Ill., $1,000,000.

Medical building, East Orange, N. J., Aetna Realty Co., plans, $1,000,000.

Bids Desired

Science building, Berkeley, Calif., Regents of University, taking bids, $2,000,000.

Apartment hotel, New York, N. Y., Sailors Snug Harbor, taking bids, $1,000,000.

Law school, Brooklyn, N. Y., St. Johns College, bids about Sept. 1, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 115.

Bank and office, Ann Arbor, Mich., Pond & Pond, Martin & Lloyd, archts., Chicago, Ill., bids about Sept. 3; for Ann Arbor Savings Bank, $1,000,000.

Office, Toronto, Ont., Sept. 1 by F. H. Wilkes, archt., for Canada Permanent Mortgage Corp., $1,000,000.

Bids Received

Subway, New York, N. Y., Bd. of Transportation, from La Rocca Constr. Co., $5,922,000.

Contracts Awarded

Gas line, Texas and Oklahoma, Consolidated Gas Utilities Co., Amarillo, Tex., to Williams Bros., Inc., $4,500,000.

Apartment, Chicago, Ill., Syndicate, c/o E. A. Clear & Co. to American Building Constr. Co., $3,000,000.

Straightening river, Chicago, Ill., to Great Lakes Dredge & Dock Co., $2,773,930.

Apartments, Two, New York, N. Y., S. Ageloff, Brooklyn, N. Y., to Fredburn Constr. Co., $2,500,000.

Office, New York, N. Y., G. L. Ohrstrom to G. A. Fuller Co., $2,000,000.

Pulp and paper mill, Richville, Calif., Pacific Coast Pulp & Paper Co. to T. B. Hunt, Sacramento, $1,000,000.

Hotel, Toronto, Ont., Canadian Pacific Ry., Montreal, Que., to Angelin-Norcross, Toronto, Ont., $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

Miss., Decatur—See "Sewers."

Tex., Beaumont—Peoples Light & Power Corp., E. C. Deal, pres., 27 Williams St., New York, purchased Neches Water Co. property, and plans improving same, extending distribution system. Private plans.

Calif., Pasadena—Plans increasing capacity of city reservoir, $40,000, drill additional wells, $25,000. S. B. Morris, City Hall, engr.

Ont., Toronto—York Twp. Council, plans metering water services, 4,800 additional meters. $50,000. F. B. Goedike, 40 Jarves St., engr.

Ont., Port Colborne—See "Sewers."

Bids Desired

Massachusetts — Sept. 4, by Dpt. P. Health, pipe lines, valves, hydrants, pumping equipment and pump houses, for water supply extensions at State Sanatoriums in Rutland, Pondville and North Reading.

New York—Sept. 25, by Bd. Water Supply, Municipal Bldg., New York, 105,000 lin.ft. portion City Tunnel 2, Contrs. 224, 225, 226 and 227. B. F. Einbigler, secy.; adv. E. N.-R. Aug. 30.

N. Y., Brooklyn—Sept. 4, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Mackey Pl., Avenues B, P, V, W and X, Gardner, Grand and Ocean View Aves., Cherry, Columbia, Hoff, Humbert, Nathan, Ripple, 8th, 9th, 70th Sts.

N. Y., Brooklyn—Sept. 7, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bedford Ave. and Bergen St.

Fla., Bonifay—See "Sewers."

Fla., Miami—Sept. 3 (extended date), by City, water plant addition in Hialeah. Noted Aug. 23.

La., Plain Dealing—Sept. 11, by Mayor, 6 in. water well, 50,000 gal. steel tank and tower, 125,000 gal. reservoir, 33,940 lin.ft. 2- to 8-in. pipe, two 500 g.p.m. motor driven fire pumps and 1 motor driven compressor. Swanson-McGraw, Balter Bldg., New Orleans, engr. Noted July 12.

La., Sulphur — Sept. 11, by Mayor and Bd. Aldermen, waterworks. $60,000. L. J. Voorhies, Baton Rouge, engr. Noted Aug. 9.

Mich., Detroit — Sept. 6, by Bd. Water Comrs., 176 East Jefferson Ave., 6 m.g.p.d. electric motor driven centrifugal pump with auxiliary equipment, for Northern Yard. G. H. Fenkell, ch. engr.

Mich., Detroit—Sept. 12, by J. N. Reid, comr. P. Wks., Lonyo Road Pumping Station Unit, vertical motor driven centrifugal pumping unit with 20 in. suction and 20 in. discharge nozzle, 9,000 g.p.m. capacity, at 38 ft. head, piping, valves, electrical equipment, air compressor unit. P. A. Fellows, City Hall, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mo., St. Louis—Sept. 25, by Bd. P. Serv., City Hall, valves, fittings, piping, filters, tanks and pumps, for 2 gravity oiling systems $13,000; ornamental iron railing in filter plant $7,000, both at Missouri River Waterworks Sta.; grading, concrete paving Fairview Ave. between Gustine St. and Russell Pl., $4,920. L. Day, City Hall, comr.

Ark., Rison—See "Contracts Awarded."

Tex., Junction—Sept. 4, by City, c/o E. Holekamp, mayor, waterworks, 100,000 gal. steel tank, c.i. mains, hydrants, etc. Municipal Eng. Co., Athletic Bldg., Dallas, engrs. Noted Feb. 9.

Wash., Edmonds — W. T. Batcheller, engr., Dexter Horton Bldg., Seattle, bids about Sept. 13, 500,000 gal. steel stand pipe, 48,000 ft. 4- to 12-in. c.i. mains, 3 motor driven deep well turbine pumps, for City. $150,000. Noted July 5.

Calif., Murphy—Sept. 6, by Bret Harte Sanatorium Hospital Central Com., Courthouse, Stockton, 200,000 gal. rein.-con. tank. F. E. Smith, Courthouse, Stockton, engr.

Contracts Awarded

Mass., Framington—Straightening, widening, deepening Beaver Dam Brook, to C. Campbell 4 East 12th St., New York. Est. $20,000. Noted Mar. 15.

Md., Baltimore—Bd. Awards, c.i. pipe, fittings to Bureau Water Supply, to U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J., $139,384. Noted Aug. 9.

Ill., Chicago — City at office Bd. Local Impvts., City Hall, water service pipes in North Artesian, Indiana, Nottingham, North Keating, Lemont and South Kilpatrick Aves., to Washington Plumbing & Heating Co., 461 North Halsted St.; Melrose St. and Romensky Ave., to Reliance Plumbing & Heating Co., 2430 West Van Buren St.; North McVickers, North Winchester, North Keating, North Kilpatrick, Kingsdale, Kirby and Krebs Aves., to P. J. Collins Co., 5521 Bway.; Matson, Miami and Marmora Aves., to G. D. Hardin, 3130 Indiana Ave.; West 82nd Pl., West 82nd St., South Sawyer, South Spaulding, Turner and South Homan Aves., to Walsh & Metzger, Inc., 6828 South Chicago Ave.

Ill., Niles Center—Water stubs, to H. Hardin, 3139 Indiana Ave., Chicago, $70,-478; 6- to 12-in. c.i. mains, to Pastoret-Dorsey-Barrett Co., Dolton, $93,517.

Ill., Wilmette—Waterworks improvements, incl. 400,000 gal. steel tank, to Chicago Bridge & Iron Co., 37 West Van Burean St., Chicago, $20,400; one 500 and one 1,500 g.p.m. centrifugal motor driven pumps, to Allis-Chalmers Co., West Allis St., Milwaukee, Wis., $2,900. Noted May 24.

Wis., Wauwatosa — To Ribbens Bros., 2415 Richards St., Milwaukee, c.i. mains in Ridge Court $1,155, State St. $2,812, Vernon Ave. $5,100, Hayes Ave. $4,900, Berwyn Ave. $1,225, 14th Ave. $2,328—to Wenzel & Henoch, 498 7th St., Milwaukee, Gilbert Ave. $620. Grand total $18,153.

See proposal advertising on page 111

Constr. News page 111

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency

—where a line is subjected to constant vibration the joints must be tight and remain tight

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their experience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.

Twelve-inch c. i. bell and spigot water main —Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

Ark., Rison—Arkansas Power & Light Co., Pine Bluff, 50,000 gal. tank on tower, 300 g.p.m. deep well pump, 100 ft. 6 in. pipe, own forces. C. C. Lynch, c/o owner, ch. engr.

Ont., Swastika—Town Council, waterworks system, c.i. mains, valves, hydrants, electric centrifugal pumps, pumphouse, etc., to McNamara Constr. Co., 53 Yonge St., Toronto, $31,675.

Sewers

Proposed Work

N. J., Cranford — Twp. Com., Township Hall, preliminary plans storm sewer in Madison Ave. and Lincoln Terrace. $27,000. J. Collins, twp. engr.

N. J., South River—Bd. Boro Council, Boro Hall, preliminary plans sewage disposal plant. $150,000. S. Van Ness, boro engr.

N. J., South River—Bd. Boro Council, Boro Hall, preliminary plans storm sewers in Jackson, Main and Washington Sts. $50,000. S. Van Ness, boro engr.

Tex., Corpus Christi—J. T. Wright, city secy., soon takes bids storm sewers. $40,000. H. Levinson, city engr.

Tex., San Antonio—Preliminary plans sewage disposal plant. $1,250,000. S. W. Freese & J. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engrs. Noted June 7.

Ont., Palmerston — Soon takes bids 3 mi. 8 in. and up vitr. tile sewers. $40,000. F. W. Thorold, 54 Admiral Rd., Toronto, engr.

Ont., Port Colborne—Soon takes bids sewage disposal plant, pumping stations, waterworks. $500,000. Wynne Roberts Son & MacLean, Metropolitan Bldg., Toronto, engrs.

Bids Desired

Mass., Boston—Aug. 31, by Dpt. P. Wks., sewerage works in Dorchester, West Roxbury and Boston proper. $25,000 or more. J. H. Sullivan, comr.

N. Y., Brooklyn—Sept. 6, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewer in Shore Blvd., Neptune Ave. and East 8th St.

N. Y., New York—Sept. 5, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Johnson and Laconia Aves.

N. J., Red Bank — Sept. 17, by Boro Council, Boro Hall, sewage treatment plant, trunk sewer. H. B. Cleveland, 225 Bway., New York, consult. sanitary engr. G. K. Allen, 60 Broad St., boro engr.; adv. E. N.-R. Aug. 30. Noted Apr. 5.

N. J., Saddle River—Aug. 31, by Twp. Comn., Lincoln School, Market St., sanitary sewerage system in Roseville Dist. $97,000. A. Noack, 236 Main St., Hackensack, twp. engr. Noted July 26.

Md., Baltimore—Sept. 5, by Bd. Awards, sewers, storm drains in Sewer Dists. J-4 and G-13, Sanitary Contr. 252. M. J. Ruark, sewerage engr.

Fla., Bonifay—Sept. 4, by K. G. Rooks, city clk., 29,095 lin.ft. 8- to 12-in. concrete or vitr. sewers; 18,185 lin.ft. 6 in. c.i. mains.

Miss., Newton—Sept. 4, by Mayor and Bd. Aldermen, sewer line, disposal plant. P. A. O'Brien, 411 Edwards Hotel Bldg., Jackson, engr. Noted June 14.

La., Plain Dealing—Sept. 11, by Mayor, 35,815 lin.ft. 8- to 12-in. vitr. sewer, sewage disposal plant. Swanson & McGraw, Inc., Balter Bldg., New Orleans, engr. Noted July 12 under "Waterworks."

Ind., Anderson—Sept. 4, by Bd. Wks., sewer in Collingwood Dist. $27,000. M. H. Downey, City Hall, engr.

Wis., Fennimore — Sept. 3, by Bd. P. Wks., sewage disposal plant, 5,000 ft. 8 and 10 in. sewers. F. J. Davy, La Crosse, engr. Noted Aug. 9.

Wis., Milwaukee—Sept. 6, by Metropolitan Sewerage Comn., R. Cramer, ch. engr., 508 Market St., 7,839 ft. special concrete sewer in Janesville Plank Rd. between 39th and Howard Aves. $185,000.

Kan., Wichita—Sept. 4, by C. C. Ellis, city clk., City Hall, 8,180 ft. 5, 5½ and 6 ft. circular or square box sewer, 2,400 ft. 24 in. sewers, 19 manholes, 50 inlets, 1,500 ft. walk, 2,000 ft. gutter, along right-of-way Atchison, Topeka & Santa Fe R.R., Meridian to Arkansas River. P. L. Brockway, engr.

N. D., Fargo—Sept. 5, by A. R. Watkins, city aud., sewer in 7th St. S. and across Island Park. W. P. Tarbell, city engr.

Calif., San Francisco—See "Streets and Roads."

Contracts Awarded

Mass., Boston — Metropolitan Comn., 1 Ashburton Pl., Sect. 109, Mystic Valley Sewer, in Medford, to V. Grande, 100 Academy Hill Rd., Brighton, $141,560.

N. Y., Buffalo — Concrete overflow drain in Cornelius Creek between Tonawanda and Niagara Sts., to Schaaf Co., 2159 Bailey Ave., $65,670.

N. J., Belleville (br. Newark) — Bd. Town Comrs., Town Hall, sanitary sewers in Delia Terrace, Passaic Ave., Irving, Center, Charles, Hill and May Sts., to Louis Constr. Co., 270 Orange St., Newark, on unit basis.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Survey, main sewer in Bouvier St., to P. Pinciotti, 4103 Roosevelt Blvd., $121,610; 30th St., to M. J. Driscoll, 106 Apsley St., $27,264; open storm channel and appurtenant work through Government property and in county line between Darby and Church Creeks, to Trieste & Earle, Inc., Real Estate Trust Bldg., $144,220. Grand total $293,094.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Surveys, to A. Di Sandro & Son, 6400 North 5th St., branch sewer in Bingham St. $12,362, Comly St. $8,520, Longshore St. $15,185; to J. Ciccone, 5732 Westminster St., Bingham St. $1,475; to Leva Bros., 104 West Gale St., Carver St. $4,732, Cheltenham Ave. $5,107, M St. $9,869; to E. Ventresco, 6016 Ross St., Champlost Ave. $2,309; to O'Neill Co., 127 East Mermaid St., D St. $10,926; to Perna & Mattia, 310 North 65th St. (Loughlin St.) Glenview St. $11,376; to J. Moss, 1652 Wakeling St., Greeby St. $7,846; to Amidio Carrado, 5920 Magnolia St., J St. $4,392; to Mazzola & Marano, 739 South 7th St., Tulip St. $19,657. Grand total $103,756. Noted Aug. 2.

D. C., Wash. — District Comrs., District Bldg., to W. F. Brenizer Co., 101 New York Ave. N. E., sewers in Rittenhouse St. $7,543, in Newton St. $14,574, Michigan Ave. $14,927; to A. McCandlish Co., Inc., service sewer in Military Rd. $2,302; to Adams & Marino, 4th and Oglethorpe Sts., sewer in vicinity 37th St. and Reservoir Rd. $36,650, Rittenhouse trunk sewer $52,121; to M. Cain Co., Inc., 13 6th St. N. E., Soapstone Valley Storm Sewer $8,715, Garfield St. $16,741 at 18th St. and Blagden Terrace $1,773. Grand total $155,346. Noted July 19.

Miss., Vicksburg — See "Streets and Roads."

O., Dayton—Concrete sewers in old M. & E. canal from 6th St. to Apple St., to A. B. Agnew, 402 Edgewood Ave., Dayton, $30,000.

O., Euclid (br. Cleveland) — Storm and sanitary sewers in Hillandale Subdivision, to Tavemditti & Spino, 20313 Westport Ave., Cleveland, $32,348.

O., Mayfield (br. Cleveland) — Sanitary sewers, to A. Marra Co., Union Trust Bldg., Cleveland, $32,868.

Ill., Chicago—City, at office Bd. Local Impvts., City Hall, tile sewers with brick maholes, catch basins in West 59th St., Knox and South La Trobe Aves., to Mancini & Ventrella; West 92nd and West 93rd Places, West 83rd and 94th Sts., to A. Ranieri, 4901 Altgeld St.; Aberdeen, South Carpenter and South May Sts., to M. Pontarrell, 4848 Dakin St.; East 86th Pl., West 86th and 89th Sts., to L. Scully, 4451 Nevada St.; West 54th St., South Kilpatrick and South Keating Aves., to F. Peyrot, 4309 North Mason Ave.; South Kenneth Ave., to O. Scully, 7658 Loflin St.; South Kilbourn Ave., to C. Fosno, 908 South Irving St.; South Kolmar Ave., to J. Tirtilli, 732 South Ashland Ave.; drains in West 69th and 70th Places, West 69th, 70th, 71st and Melrose Sts., Belmont and Nottingham Aves., to N. Ranieri, 5036 Montana St.; West 99th, 100th, 101st and 102nd Places, West 80th, 99th, 100th, 101st, 102nd, Holbrook, North Robey and Igiitus Sts., North Winchester, North Harding, North Springfield, North Avers, Neva, Nixon, Schreiber and Princeton Aves., to M. Di Vito, 2284 Campbell Park; North Melvina, North Nashville and South Robey Sts., to A. Sculley, 4504 Wrightwood Ave.; Merrill, Clyde and Chappell Aves., to M. Murphey, 5753 South Peoria St.

Ill., Chicago—See "Streets and Roads."

Ill., Niles Center—Sewer stubs, to Blue Island Constr. Co., 6749 Oconto Ave., Chicago, $40,253.

Minn., Morris—F. E. Ware, city mgr., 6,443 ft. 15 in. vitr. sewers to Burdick & Beverly, Breckenridge $8,277; treatment plant, to Weighton Constr. Co., Audubon, Ia. $10,791. Noted July 26.

Mo., St. Louis—Bd. P. Serv., City Hall, Maline Creek Dist. 1, to Grant & Meinert, Fullerton Bldg., $36,691; South Gravois Dist. 5, to Riley Contg. Co., 110 North 7th St., $8,060. Noted July 12.

Okla., Enid—Storm sewers, to E. W. Baker & Co., Perrine Bldg., Oklahoma City, $47,765.

Okla., Tulsa—Storm sewers in Meadow Brook Addition, to E. G. Fike & Co., 2531 East Independence St., $24,600.

Wash., Seattle — Bd. P. Wks., C. B. Bagley, secy., trunk sewer in West Hanford St., to G. Nelson, 231 Summit Ave. Div. 1 $380,516, Div. 2 $735,916; and 48th Ave. S., to F. Arcorace, 8423 48th Ave. S., $34,400. Noted July 5.

Calif., Truckee—F. S. Powell, secy., Truckee Sanitary Dist. sewage disposal plant and outfall sewer to M. Murphy, 1321 Milvia St., Berkeley, $26,532. Noted Aug. 16.

Waste Disposal

Proposed Work

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, rejected bids July 25, garbage incinerator, Tompkins and Chestnut Aves. $190,000. Noted July 19.

Bids Desired

N. Y., Brooklyn—Sept. 17, by Brooklyn Ash Removal Co., Inc., at office Dpt. Street Cleaning, Municipal Bldg., New York, pile driving, timber, dock and bulkheads, concrete foundations and superstructure incinerator plant, Gowanus Canal and Hamilton Ave.

N. Y., Elmira—Sept. 10, by H. Markson, city clk., City Hall, constructing Mixed refuse incinerator plant. M. W. Wipfler, city engr.; adv. E. N.-R. Aug. 30. Noted Apr. 15.

N. Y., St. George — Sept. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, 90 ton incinerating plant for Clifton Destructor, Clifton.

Bridges

Proposed Work

Wis., Superior—Northern Pacific Ry. Co., H. E. Stevens, ch. engr., and Great Northern Ry. Co., J. R. W. Davis, ch. engr., both Ry. Exch. Bldg., St. Paul, Minn., concrete viaduct over tracks, on 21st St. $25,000.

New Mexico—State Hy. Comn., Santa Fe, rejected bids June 20, Las Animas River Bridge. Noted June 14.

Ont., St. Thomas—Michigan Central Ry., J. F. Deimling, ch. engr., Detroit, Mich., rebuilding steel, concrete bridge over Kettle Creek. $100,000.

Bids Desired

Massachusetts—See "Streets and Roads."

New Jersey — Sept. 17, by State Hy. Comn., Trenton, bridge over Meeker Ave., Newark, Essex Co.; bridge to carry State Hy. Route 3, (Revision 1927) over tracks Northern R.R. of New Jersey, and New York, Susquehanna & Western R.R., Hudson Co. A. L. Grover, ch. clk.

North Carolina—Sept. 11, by State Hy. Comn., Raleigh, concrete bridge, culverts State Projects 627, 4901 and 368, in Catamba, Wake and Cnslow Counties. Total $147,000. L. R. Ames, hy. engr.

Louisiana—Sept. 18, by State Hy. Comn., Baton Rouge, steel, timber bridge over Salt Bayou on New Orleans Mississippi Hy., St. Tammany Parish. J. M. Fourmy, Reymond Bldg., Baton Rouge, state engr.

Iowa — Sept. 4, by State Hy. Comn., Ames, one 32 x 24 ft. I-beam and one 40 x 24 ft. I-beam bridges, 80 x 20 ft. pony truss bridge with two 32 x 20 ft. I-beam approach spans, 60 x 20 ft. skew pony truss bridge, adding two 40 x 20 ft. I-beam approaches to high truss bridge, also 35 culverts, extensions, on Minden Rd., B-576, Pottawatamie Co.—90 x 24 ft. skew plate girder bridge, U. S. Road 35, B-146, Winneshiek Co.—box culvert on U. S. Road 71, B-571 Buena Vista Co.—14 culverts on U. S. Road 32, B-571, Cass Co.—culvert on P. R. Road 99, B-210, Clinton Co.—13 culverts, P. R. Road 113, F.A.B. 247, Delaware Co.—2 culverts P. R. Road 1, B-589, Johnson Co.—8 culverts U. S. Road 161, B-100, Lee Co.—11 culverts U. S. Road 32, B-577, Pottawatamie Co.—36 culverts, P. R. Road 1, B-177, Winneshiek Co. R. F. White, hy. comr.

Colorado—Sept. 4, by State Hy. Dpt., Denver, 135 ft. I-beam bridge and graded approaches, Boggs Creek, State Hy. 96, Project 722. L. D. Blauvelt, State Office Bldg., engr.

California — Sept. 5, by C. H. Purcell, state hy. engr., P. Wks. Bldg., Sacramento, three 38 ft. girder span bridge over Indian Creek; 60 ft. span and 38 ft. span girder bridge over Grass Valley Creek, both in Trinity Co. $25,000.

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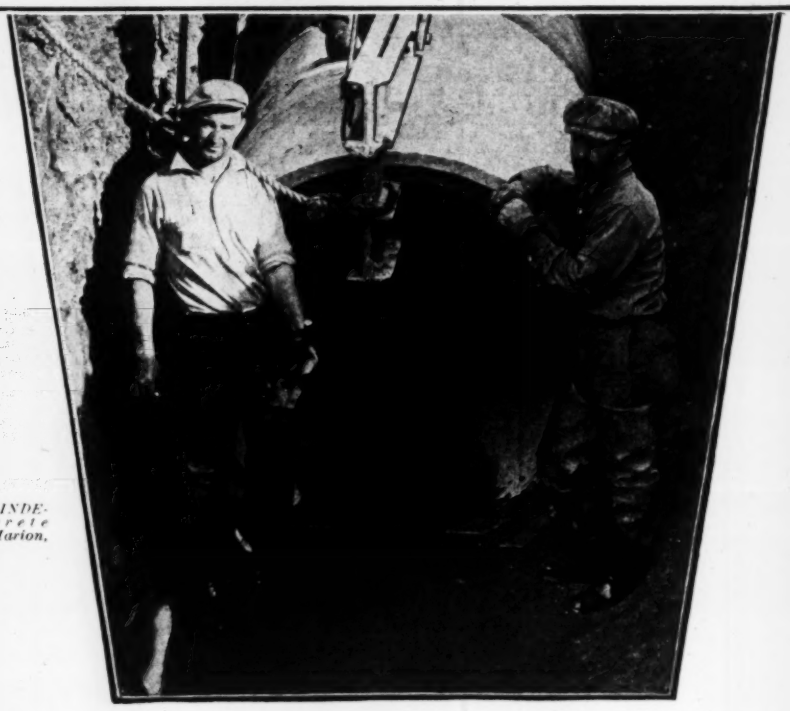
INDEPENDENT PIPE



Laying a line of INDEPENDENT Concrete Sewer Pipe at Marion, Ind

Easier to Lay in Any Trench!

Because the RECESSED JOINT is Easier to Seal

WATER, mud, sand or other difficult trench conditions, which usually mean trouble and delays in laying most types of sewer pipe, do not hold back the construction of an INDEPENDENT Concrete Pipe Line.

Even with some water or mud in the prepared trench, the "RECESSED" Joint enables the construction crew to lay and seal the pipe line speedily and efficiently. Where excessive water is encountered, it need be kept down for only a short time, while this simple pipe joint is sealed and gets its initial set. Then, back-filling can be done at once, if desired. No waiting for joints to set. No long open trenches! No bell holes needed! No big expense for pumping or sheeting.

With the "RECESSED" Joint, the LOWER half of the joint recess is sealed INSIDE the pipe, while the UPPER half is sealed ON TOP of the sewer. That's the secret of the speed and low cost with which INDEPENDENT pipe lines are laid.

If you're figuring on a concrete sewer project, let us show you how the use of INDEPENDENT Pipe will save time and trouble, and insure a profitable job. Write us.

INDEPENDENT CONCRETE PIPE COMPANY

General Offices: 202 N. West St., Indianapolis, Ind.

Sales Agencies in All Principal Cities

Bridges (Continued)

Calif., San Francisco — See "Streets and Roads."

Contracts Awarded

N. Y., Buffalo—Dpt. P. Wks., Municipal Bldg., superstructure 2 bridges over improved channel Buffalo River and Cazenovia Creek, Bailey Ave., to E. Plupter Corp., 592 Ellicott Sq., $189,700. Noted May 10.

New Jersey — State Hy. Comn., Trenton bridge over tracks Port Reading Branch of Reading Co., Middlesex Co., to T. J. Foley Co., 16th St. and Parkway, Phila., Pa., $37,477. Noted Aug. 16.

Pa., Phila. — Dpt. P. Wks., Bureau of Engineering & Survey, reflooring Girard Avenue Bridge over Schuylkill River, to Mundy Paving & Constr. Co., 220 South Warnock St., $48,029.

W. Va., Hinton—Overhead bridge, on Avis St., to E. R. Mills, Covington, Ky., $64,839. Noted July 12.

Kentucky — State Hy. Dpt., Frankfort, bridges in Madison Co., to Phelps Constr. Co., Somerset, $15,597—steel superstructure over Tygart Creek, Greenup Co., to Brookeville Bridge Co., Brooksville, O., $31,741—2 steel superstructures over Licking River, one in Magoffin Co., other in Morgan Co., to E. R. Mills, Covington, $8,685 each—steel superstructure over North Fork Kentucky River, Perry Co., to Vincennes Bridge Co., Vincennes, Ind., $43,332—concrete substructure Greenup Co., to E. K. Newell & Co., Mayesville, $29,916—concrete substructure in Perry Co., to Cook & Elliott, Oneida, Tenn., $23,500. Grand total $161,456. Noted July 12.

Indiana — J. D. Williams, dir. State Hy. Comn., Indianapolis, 2 bridges, Tippecanoe Co., to J. C. Jarrett, Lynn, $12,152—bridge, Harrison Co., to J. C. Ellis, Rockport, $6,918—2 bridges, Wayne and Scott Counties, to R. L. Schutt, Indianapolis, $16,658—3 bridges, Lake Co., to R. H. King, Danville, $21,437—3 bridges, Elkhart Co., to C. E. Rock, New Paris, $24,172—bridge, Jackson Co., to Hancock & Kieffer, Brownstown, $10,741—2 bridges, Grant Co., to J. E. Sweet & Son, Woodburn, $16,288. Grand total $108,366. Noted July 19.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in Hamilton Co., to G. H. Goodlink, Lawrenceville, $46,842—Hancock Co., to Federal Bridge Co., 1001 Bankers Trust Bldg., Des Moines, Ia., $8,749—Peoria Co., to A. Olson Constr. Co., Waterloo, Ia., $35,000—Will Co., to Chernus Constr. Co., 448 Wrigley Bldg., Chicago, $3,705—Alexander Co., to G. W. Condon Co., 415 Farnum St., Omaha, Neb., $4,941—Schuyler Co., to Illinois Steel Bridge Co., Jacksonville, $10,778—Livingston Co., to Hart & Childress, Earl Park, Ind., $20,792. Grand total $130,807. Noted July 12.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in Du Page Co., to Widell Co., Mankato, Minn., $34,385—Macon Co., to A. Culbertson, Oconee, $14,314—Champaign Co., to R. McCalman, Inc., Danville, $28,184—Macon Co., to C. F. Smith, Indianapolis, Ind., $47,458—Iroquois Co., to Herrick Constr. Co., Carlinville, $33,950 — Livingston Co., to Hartmann-Clark Bros., 930 Peoria Life Bldg., Peoria, $12,303—Kankakee and Champaign Counties, to Continental Bridge Co., 460 Monadnock Bldg., Chicago, $4,112 and $9,883 respectively. Grand total $184,589. Noted July 5.

Iowa—State Hy. Comn., Ames, bridges, culverts in Buchanan Co., to J. B. Elliott, Independence, $37,400—Cass Co., to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, Neb., $6,525—Decatur and Montgomery Counties, to C. J. Kramme, Ft. Dodge, $587 and $10,300 respectively—Guthrie Co., to Matson & Christenson, Guthrie Center, $21,897—Henry Co., to A. Melberg, Cedar Rapids, $13,590—Louisa Co., to Ingersoll-Stoufer Eng. Co., Marshalltown, $34,300—Lucas Co., to Knutson Bros., Chariton, $16,567—Mahaska Co., to H. E. Whitlatch, Oskaloosa, $20,690—Plymouth and Mills Counties, to Wickham Bridge & Pipe Co., Council Bluffs, $23,000 and $10,700 respectively—Washington Co., to Iowa Bridge Co., 19th St. and Eastern Blvd., Des Moines, $16,792—Worth Co., to Metropolitan Constr. Co., Omaha, Neb., $10,169—Adair Co., to F. O. Akin, Corning, $5,975—Alamakee Co., to J. J. Grose, West Union, $1,788—Bremer Co., to Waugh & Tackman, Clarksville, $1,865—Lucas Co., to Schaaf & Jacobson, Lake Park, $5,120—Tama Co., to A. A. Alexander, 502 Frankel St., Des Moines, $20,987—Winneshiek Co., to A. R. Coffeen, Decorah, $2,258. Grand total $260,510. Noted Aug. 2.

Missouri — State Hy. Comn., Jefferson City, to J. G. Morris, St. Joseph, two 10 ft. rein.-con. slab spans over small branch, Worth Co. $3,113—to Farrell-Dubrouillet, Linn, two 12 ft. rein.-con. slab spans over Sandy Creek $3,251; same over Falling Timber Branch $5,120, Warren Co.—to M. E. Gillioz, Monett, one 8 ft. rein.-con. slab span over creek $1,075; two 10 ft. rein.-con. slab spans over branch Lindley Creek $1,926; two 10 ft. rein.-con. slab spans over branch Lindley Creek $2,313; six 10 ft. rein.-con. slab spans over creek $7,983; two 12 ft. rein.-con. slab spans over Buffalo Creek $2,789; two 12 ft. rein.-con. slab spans over creek $4,561; two 12 ft. rein.-con. slab spans over branch Lindley Creek $3,661, all Dallas Co.; one 10 ft. rein.-con. slab span over creek, $1,540; two 35 ft., three 40 ft. rein.-con. deck girder, one each 77.5 ft., 100 ft. and 122 ft. arch spans over Pommede Terre River $45,762, Green Co.—to Kelly & Underwood, Granby, two 10 ft. rein.-con. slab spans over dry branch $1,590; two 35 ft. rein.-con. deck girder spans over Beaver Creek $5,697, McDonald Co.—to Republic Constr. Co., Republic, two 10 ft. rein.-con. slab spans over creek $2,349; one 122.5 ft. rein.-con. arch open spandrel bridge over Stouts Creek $11,691, Iron Co.; six 20 ft. rein.-con. slab spans over Dixon Creek $9,446; reflooring five 80 ft. steel truss span bridge over Logan Creek $7,292, Reynolds Co.—to Pioneer Constr. Co., Kansas City, one 80 ft. steel truss, six 40 ft. rein.-con. deck girder spans over Big Creek $27,847; two 50 ft. and one 140 ft. steel truss spans over Big Creek D.D. $33,158; 150 ft. pile trestle over Big Creek Old Channel $4,745, all Daviess Co.; two 12 ft. rein.-con. slab spans over Montgomery Branch $5,813; four 20 ft. rein.-con. slab spans over overflow Big Creek $7,763; two 60 ft. one 80 ft. steel truss spans over Big Creek $23,410, Harrison Co.—to McGlone & Walesby, Higginsville, two 12 ft. rein.-con. slab spans over creek $3,860; four 70 ft. and one 100 ft. steel truss spans over Dixie Creek $38,466, Chariton Co.—to G. W. Condon, Omaha, Neb., 917 ft. pile trestle over St. Francois River, Dunklin Co. $29,297—to J. M. Roark & Son, Anderson, three 35 ft. rein.-con. deck girder spans over Smith Fork, Clinton Co. $16,338. Grand total $316,713. Noted Aug. 9.

Ore., Maupin—State Hy. Comn., Salem, bridge over Deschutes River, to Kuckenberger & Whitman, Bd. of Trade Bldg., Portland, $94,860. Est. $96,405.

Railways

Proposed Work

Indiana—Algers, Winslow & Western Ry., construction and acquisition lines of railroad from connection with Evansville, Indianapolis & Terre Haute Ry. south of Littles to Algers with branch line from Globe to connect with Southern Ry., 15 mi. long, Pike Co.

Bids Desired

New York—Sept. 6, by B. M. Paten, pres. Queens Boro, Queens Subway Bldg., Long Island City, relocating tracks Jamaica Central Railways, in South St. from New York Ave. to Waltham St., Queens Boro.

Missouri—See "Contracts Awarded."

Contracts Awarded

New York — New York, Chicago & St. Louis R.R. Co., A. C. Harvey, ch. engr. Terminal Towers Bldg., Cleveland, O., 2 spur tracks, 15,000 ft. long, to McMillen Feed Co. plant near Smith St., in Buffalo. Owner builds.

Missouri—Kansas City Southern Co., A. N. Reese, ch. engr., 11th and Wyandotte Sts., Kansas City, laying steel tracks for 10 mi. railroad between Leeds and Grandview, day labor. Noted July 26.

Oklahoma—C. J. Turpin, vice pres. and genl. mgr. Beaver, Meade & Englewood R.R., 517 Grain Exch. Bldg., Oklahoma City, M. J. Burke, ch. engr., Terminal Bldg., Oklahoma City, 20 mi. railway extension from Hooker to Hough, to Panhandle Constr. Co., Amarilla, Tex., $445,460. Est. $500,000. Noted Feb. 9.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Fla., Fort Pierce—Fort Pierce Financing & Constr. Co. granted permit dredging 22 ft. depth ship channel across Indian River.

Ill., East St. Louis—East Side Levee & Sanitary Dist., Metropolitan Bldg., soon takes bids double 5 x 5 ft. concrete gate with sluice gates, Project 8, near Missouri-Pacific R.R. at Prairie du Pont. Postponed indefinitely taking bids 2 rein.-con., brick pumping stations, equipment. E. F. Harper, c/o owner, engr. Noted Apr. 26.

Ill., Genesco—Green River Special D. D., H. L. Goembel, chn., surveys work on Green River below Hennigsin Canal Aqueduct, lowering main channel, eliminating canal aqueduct and sharp curves to increase velocity, digging new feeders. $75,000. R. L. Schoenberger, Princeton, engr.

Mo., Agency — Platt River D.D. 2, A. Smith, secy., soon takes bids 3 mi. drainage ditches. Leslie Eng. Co., 820½ Felix St., St. Joseph, engrs.

Mo., New Madrid — Wolf Hole D.D., Sharp & Baynes, attys., preliminary plans drainage canal, laterals. $150,000. Berthe Eng. Co., Charleston, engrs.

Bids Desired

Illinois—Sept. 4, by Comrs. Black Walnut Creek D. D., Will and Kankakee Counties, at office Clerk Will Co., Joliet, drainage work, incl. 156,800 sq.yd. excav., 145 ft. 12- to 21-in. corrugated and 17,650 ft. 8- to 18-in. tile pipe. W. H. Zarley, Joliet, engr.

Ia., Algona—Sept. 4, by Kossuth Co., extending D.D. 127, incl. 3,200 ft. 26 in. drain tile; cleaning out D.D. 69, incl. 2,300 cu.yd. excav., A. E. Michel, engr.; plans extending D.D. 81, incl. 1,620 ft. 26 and 28 in. drain tile.

Tex., San Antonio—City, C. M. Chambers, mayor, taking bids 400 ft. concrete lined flood prevention channel 70 ft. wide, 20 ft. deep, incl. movable and stationary dams. S. F. Crecelius, 201 Torcido Dr., engr. Noted June 14.

Calif., Turlock—Sept. 10, by A. Sorenson, secy. Turlock Irrigation Dist., 2 in. canal lining, 47,285 sq.ft. in Schedule 1; concrete structures, Schedule 2; 330 lin.ft. 36 in. concrete pipe, Schedule 2½; timber bridge, Schedule 3. Noted Apr. 19.

Ont., Fort William—Sept. 4, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging.

Contracts Awarded

Miss., Vicksburg—Third Mississippi River Dist., first contract Mississippi flood control work, incl. 800,000 cu.yd. fill, to Wilbanks-Pierce, Inc., Brandenton, Fla. Noted June 28.

Ia., Council Bluffs—Pottawatomie Co., improving Honey Creek D. D., to S. C. Briggs, 1343 South 34th St., Omaha, Neb., at $0.07 per cu.yd. Noted July 19.

Ill., Chicago — Straightening South Branch of Chicago River, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., $2,773,930. Noted July 12.

Neb., Paxton — Paxton Irrigation Dist., c/o M. Burke, 22 mi. ditches, incl. old Paxton Irrigation Canal, to Thomson & Humphreys, 308 Securities Bldg., Omaha, $51,802. Est. $64,000.

Tex., Mcallen—Hidalgo Co. Water Co. Impvt. Dist., c/o A. W. Cameron, co. judge, Edinburg, 200,000 ft. 10- to 30-in. concrete pipe, to W. T. Liston & Son, Harlingen, $110,000.

Ont., Sault Ste Marie—Dpt. P. Wks., Ottawa, dredging, to Soo Dredging & Constr. Co., Sault Ste Marie, $50,000.

N. B., Campbellton—Dredging, to F. Michand, Buctouche, $29,000.

Streets and Roads

Bids Desired

Massachusetts—Sept. 4, by Dpt. P. Wks., State House, Boston, bituminous macadam, concrete and gravel paving 15,578 ft. in Bedford, Hanson, Colrain, Salem and Sharon Counties, 23 ft. rein.-con. bridge, Acton. W. F. Williams, comr.

N. Y., Brooklyn—Sept. 6, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging Bay 7th St.; grading, sheet asphalt on concrete paving Rockaway Parkway, New York and Atkins Aves., Bay 7th, Berriman, Pulaski, 51st, East 37th, East 40th Sts.; recurbing, asphalt paving Atkins Ave.; asphalt on 6 in. concrete paving Hopkinson Ave.

N. Y., Buffalo—Sept. 4, by G. F. Fisk, comr. P. Wks., Municipal Bldg., stone paving 3,500 sq.yd. road, and 3 in. bituminous paving present road from Genesee St., to hangars at airport. C. E. P. Babcock, city engr.

N. Y., Long Island City—Sept. 6, by B. M. Patten, pres. Queens Boro, Queens Sub-

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IN THE NEW CHASE NATIONAL BANK BUILDING

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Streets and Roads (Continued)

way Bldg., grading South Rd., 46th St., Foch Blvd.; sidewalks on Laurel Hill Blvd.; grading, sidewalks, sheet asphalt on concrete paving De Boe Pl.

N. Y., New York—Sept. 5, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt on concrete repaving Southern Blvd., East 156th and East 205th Sts., Barnes, Underhill, Corlear, Mace, Radcliffe, Mace, Watson and Gleason Aves.; grading, curbing, sidewalks on Purdy St., Wilder and Croes Aves.

N. Y., St. George — Sept. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Atlantic Ave.; concrete paving Rockland Ave.

New Jersey — Sept. 10, by State Hy. Comn., Trenton, rein.-con. and bituminous concrete paving Route 17 North, Sect. 1-A, Bergen Co.; grading, rein.-con. paving Entrance Rd. Sects. 1-B, 2-B, 3-B and Connecting Rd. Sect. 3-B, Camden Co. A. L. Grover, ch. clk. adv. E. N.-R. Aug. 30.

New Jersey — Sept. 17, by State Hy. Comn., Trenton, grading, 10 in. double line rein.-con. paving 56,305 sq.yd. Camden Extension, Sects. 5B and 6A, and Route 6, Sect. 17A, Camden Co.; temporary gravel paving 99,472 sq.yd. Route 47, Sect. 1, Cumberland Co. A. L. Grover, ch. clk.

N. J., Newton—Sept. 18, by Bd. Freeholders Sussex Co., Court House, graveling Clove Rd., Sect. 2, Montague Twp. H. Snook, Newton, co. engr.; adv. E. N.-R. Aug. 30.

Pa., Phila.—Sept. 4, by Dpt. P. Wks., Bureau of Hys., Schedule A, grading; Schedule B, improving country roads. A. Murdock, dir.

Maryland—Sept. 4, by State Roads Comn., Baltimore, concrete shoulders, concrete paving 2.1 mi. Contr. B-70-A, Baltimore Co. J. N. Mackall, chn.

Md., Baltimore—Sept. 5, by Bd. Awards, sheet asphalt paving 11,600 sq.yd. Contr. 481. N. L. Smith, hys. engr.

Md., Towson—Sept. 4, by Comrs. Baltimore Co., concrete paving 0.9 mi. roads Group 12, and 1.46 mi. Group 13. S. A. Green, Court House, road engr.

West Virginia — Sept. 5, by State Road Comn., Charleston, stone base course surfacing 1.8 mi. Northwestern Turnpike Project 122-A-2, Mineral Co.—2.7 mi. same road, Sect. B, Grant Co.—4.5 mi. same road, Sect. 122-B and C, Grant Co. E. B. Carskadon, secy.

W. Va., New Martinsville—Sept. 7, by Wetzel Co. Court, improving North Fork Rd., Project 1-E, 1 mi. 2 in. penetration crushed slag and limestone chip cover coat on 6 in. broken stone surfacing; Project 1-F, 12 mi. 8 in. creek gravel, 3 in. slag on 8 in. creek gravel or 3 in. slag on 6 in. bank gravel surfacing. G. A. Harmon, clk.

North Carolina—Sept. 11, by State Hy. Comn., Raleigh, grading, topsoiling concrete paving 8089 mi. in Watauga, Caldwell, Alleghany, Mecklenburg, Anson, Rockingham, Guilford, Alamance, Wake, Harnett, Onslow and Halifax Counties. Total $829,280.

Fla., West Palm Beach—Sept. 5, by Bd. Comrs. Palm Beach Co., at City Clerk's Office, material and supplies for road oil retreatment highways during year ending Sept. 30, 1929.

Ala., Birmingham—Sept. 4, by A. J. Hawkins, engr., City Hall, grading, sheet asphalt, asphaltic concrete and concrete paving, sidewalks, granite and concrete curbing. Total $238,765.

Miss., Columbus — Sept. 3, by Bd. Supervs. Lowndes Co., clearing, grubbing, grading, culverts, Bermuda sodding 1.7 mi. Columbus-Artesia Rd. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

Miss., Vicksburg — Sept. 4, by Bd. Supervs. Warren Co. at office Chancery Clerk, clearing, grubbing, bridging, grading, Bermuda sodding 0.81 mi. Federal Aid Project 184-D; 1.177 mi. Federal Aid Project 201-A. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

Miss., Water Valley—Sept. 4, by Mayor and Bd. Aldermen, rock asphalt paving 5,600 sq.yd. Owner furnishes material. G. R. Wood, City clk.

La., Natchitoches — Sept. 28, by O. F. Himel, secy. and treas., City Hall, grading, curbing, sidewalks, 6 in. rein.-con. paving 5,142 sq.yd. Bossier St. C. H. Evans, city engr.

O., Cincinnati—Sept. 4, by C. O. Sherrill, city mgr., grading, curbing, guttering, sidewalks, concrete paving 12,000 sq.yd. Hamilton Ave. $48,208.

O., Cincinnati—Sept. 5, by C. O. Sherrill, city mgr., grading, sheet asphalt on concrete surfacing 5,800 sq.yd. Madison Rd. $63,150.

O., Cincinnati—Sept. 6, by C. O. Sherrill, city mgr., curbing, guttering, sidewalks, concrete paving 14,200 sq.yd. Lester Rd. $67,900.

O., Cincinnati—Sept. 7, by Comrs. Hamilton Co., sidewalks, grading, concrete paving 2,286 sq.yd. Madison Rd. Former bids rejected. E. A. Gast, Court House, engr. Noted Aug. 2.

Ind., Goshen—Sept. 6, by Comrs. Elkhart Co., concrete paving 10,237 ft. Twp. Unit Rd. C-5. $46,500. M. E. Croop, Goshen, aud.

Ind., Kokomo — Sept. 5, by Comrs. Howard Co., graveling Ward Haynes et al. Rd. $38,144. O. O. Butcher, Kokomo, aud.

Ind., Lebanon—Sept. 4, by Comrs. Boone Co., concrete paving John A. Sunderland et al. Rd. $11,050—graveling Boone E. Loose et al, Rd. $12,954—hy. in Center Twp. $19,825—hy. in Union Twp. $8,880—hy. in Jefferson Twp. $8,380. M. Harvey, Lebanon, aud.

Ind., Rochester—Sept. 5, by Comrs. Fulton Co., constructing William Shonk et al. Rd., $10,824—Foy Smith et al. Rd. $4,376—W. H. Sheetz et al. Rd., $14,986—William Mathias et al. Rd., $13,450. S. Robbins, Rochester, aud.

Iowa—Sept. 4, by State Hy. Comn., Ames, grading, paving 0.747 mi. Orient Rd., P-472, Adair Co.—0.544 mi. Iowa City Rd., P-589, Johnson Co.—18.88 mi. New Boston Rd., P-149, Lee Co.—1.039 mi. Richland Rd., P-594-C, Keokuk Co.—2.311 mi. Bellevue Rd., P-600, Jackson Co.—7.342 mi. Primghar Rd., P-335, O'Brien Co.—1.076 mi. Brighton Rd., P-253, Washington Co.—grading 4.47 mi. U. S. Road 32, P-571, Cass Co.—0.856 mi. Clinton Rd., P-582, Clinton Co.—4.507 mi. Delhi Rd., F-249, Delaware Co.—10.35 mi. Primary Road 7, P-576-A, and 2.204 mi. U. S. Road 32, P-577-B, Pottawatamie Co.—0.934 mi. Washington Rd., P-544, Washington Co.—7.362 mi. Calmar Rd., P-177-G, Winneshiek Co. R. F. White, hy. comr.

Minn., St. Paul — Sept. 4, by K. L. Fieseler, city purch. agt., asphaltic concrete paving Maryland St. between Duluth and White Bear Aves. $80,000. J. W. Kelsey, city engr.

Kan., Independence—Sept. 10, by Clerk Montgomery Co., grading, culverts 6.312 mi. Federal Aid Project 285-C, 30 ft. To exceed $25,000. J. E. Courtright, Independence, co. engr. Noted Aug. 2.

Kan., Smith Centre—Sept. 21, by Clerk, Smith Co., grading 78,271 cu.yd. R. D. Hutchins, engr.; adv. E. N.-R. Aug. 30.

Mo., Kirkwood—Sept. 4, by W. J. Donworth, city clk., concrete paving 4,766 sq. yd. Van Buren Ave.—3,801 sq.yd. Caroline Ave.—3,850 sq.yd. Bach Rd.—8 in. waterbound macadam paving Duley, Ann, Fillmore, Essex and Circles Aves.—bituminous treated macadam surfacing Geyer Rd. W. C. Berry, City Hall, engr.

Mo., St. Joseph—City Clerk bids about Sept. 20, wire-cut brick on 8 in. concrete paving 14,020 yd. Frederick Ave., $63,000; 5,500 sq.yd. streets, $25,000. R. Dunlap, city engr.

Mo., St. Louis—Sept. 11, by Bd. P. Serv., City Hall, paving Grand Blvd., Pamplin Pl., 10 streets, Ferris and Christy Aves. W. W. Horner, City Hall, engr.

Mo., St. Louis—See "Waterworks."

Mo., Sikeston—City Clerk bids about Sept. 7, grading, curbing, concrete paving 17,000 sq.yd. North and South Kingshighway. $70,000. W. A. Fuller Co., 1912 Ry. Exch. Bldg., St. Louis, engrs. Noted July 19.

Ark., Searcy—Sept. 6, by City Comn., at office Mayor, curbing, rein.-con. paving 12,100 sq.yd. Dist. 11. Ford & MacCrea, Gazette Bldg., Little Rock, engrs. Noted May 10.

Tex., Sinton — Sept. 10, by Judge San Patricio Co., grading, graveling 30,000 cu. yd. Mathis-Bluntzer Rd. J. M. Winfrey, Mathis, engr.

Oklahoma—Sept. 5, by State Hy. Comn., Oklahoma City, sheet asphalt paving 21,175 sq.yd. U. S. Hy. 66, Canadian Co. $61,000. C. R. Mandigo, hy. engr.

Washington — Sept. 18, by State Hy. Comn., Clympia, **(S. R. means State Road)**, grading 211,740 cu.yd. S. R. 2, King Co.—219,110 cu.yd. S. R. 8, Klickitat Co. — crushed graveling 10,500 cu.yd. S. R. 9, Clallam Co.—4,000 cu.yd. S. R. 9, Grays Harbor Co.—paving 2 mi. S. R. 5, Pierce Co. S. J. Humes, hy. engr.

California—Sept. 12, by State Hy. Comn., Sacramento, asphaltic concrete paving 1 mi. hy. through Imperial, Imperial Co.—1.4 mi. between San Dimas and Ramona Aves., Los Angeles Co.—widening, bituminous macadam paving 2.1 mi. road between Sheridan and North Boundary, Placer Co. C. H. Purcell, Highway Bldg., engr.

Calif., Inglewood—O. H. Duelke, city clk., taking bids curbing, grading, 6 in. vibrolithic concrete paving Prairie Ave. Est. exceeds $100,000. W. Peffer, city engr.

Calif., Manhattan Beach (Manhattan P. O.)—Sept. 6, by City Council, 4 in. National, or concrete paving, sewers, mains and lighting system, 25th and 26th Sts. Est. exceeds $25,000. L. C. Lull, 1127 West Washington St., engr. Noted May 31.

Calif., Richmond—A. C. Faris, city clk., taking bids curbing, grading, 4 in. broken rock cushion, 4 in. asphaltic concrete, 2 in. warrenite bituminous paving 23rd, Florida and Main Sts. Est. exceeds $30,000. E. A. Hoffman, city engr.

Calif., Sacramento—Bids about Sept. 15, asphaltic concrete paving McKinley Blvd., 5 streets, Santa Ynez and San Miguel Ways. $100,000. S. Hart, city engr.

Calif., San Diego—Sept. 11, by Common Council, concrete curbing, guttering, 6 in. concrete paving 228,706 sq.ft., 2 in. warrenite on 4 in. asphaltic concrete paving 110,338 sq.ft. Mountain View Dr., other streets. A. H. Wright, city clk. Noted Aug. 9.

Calif., San Francisco—Sept. 19, by Bd. P. Wks., Bernal Cut Project, incl. grading, paving $86,000, Bosworth St. Bridge $250,000, Highland Ave. Bridge $40,000, Richland Ave. Bridge $11,500, sewers $22,000, walls $28,000, grading $125,000, stairways $4,250, electrical work $4,400, fences and coping $9,500. M. M. O'Shaughnessy, city engr.

Ont., Ridgeway—Sept. 1, by R. Cooper, clk. Welland Co., 1 in. asphalt on 4½ in. black base paving 14,750 sq.yd. Garrison Rd. $45,000. Ross & Scott, 89 Main St. E., Welland, engrs.

Contracts Awarded

Vt., St. Johnsbury—Street Dpt., rein.-con. paving hy., to J. B. Dugan, Amsterdam, N. Y., $206,401.

Massachusetts — Dpt. P. Wks., State House, Boston, gravel, bituminous macadam paving 2,250 ft. in Roxborough, to A. M. Custance & Co., West Acton $3,010—bituminous macadam paving 4,712 ft. in West Boylston, and 6,245 ft. in Uxbridge, to R. H. Newell Co., Medway, $25,391 and $46,213 respectively—5,070 ft. in Mansfield and Norton, to Morrell & Monroe, 31 Bucklin St., North Attleboro $48,860—6,100 ft. in Ludlow, to Warner Bros. & Goodwin, Sunderland $28,312—1,628 ft. in Haverhill, to A. Dinso, 78 Washington St., Haverhill $16,290—19,550 ft. in Russell and Huntington, to Interstate Highway Constr. Co., 200 Hancock St., Quincy $163,080—rein.-con. paving 4,550 ft. in Waltham, to J. H. Fannon, 39 Powder House Terrace, West Somerville $40,170. Grand total $371,362. Noted Aug. 9.

Mass., Medford (br. Boston) — Street Dpt., constructing Fulton St., to A. G. Tomasello & Son, Inc., 250 Stuart St., Boston, $50,436. Noted Aug. 23.

N. Y., Buffalo—To H. P. Burgard Co., 1968 Fillmore Ave., sheet asphalt on concrete paving Hastings St. $20,190; Williams St. $71,300; Selkirk St. $34,869; Erie St. $30,700; Woodward Ave. $47,930—to Rock Asphalt & Constr. Co., Morgan Bldg., Brayton St. $9,814; Seneca St. $120,610; Abbott Rd. $107,419—to Erie Contg. Co., Morgan Bldg., Lawn Ave. $29,430—to Standard Paving Ltd., 945 Bailey Ave., Clark St. $24,650—to B. Spire, Dun Bldg., Burt St., $3,720. Grand total $500,632.

New Jersey—State Hy. Comn., Trenton, grading meadow section, Newark, to DeWeiss Bros., Shelbourne and Vincent Sts., Phila., Pa., $221,525; 4 mi. road in Middlesex Co., to Rudolph & Delano, Tamaqua, Pa., $565,?76. Noted Aug. 16.

N. J., Fair Lawn — Bd. Boro Council, School 3, grading, paving Henderson Blvd. and Highview Ave., to Harper Bros., 162 Beech St., Hackensack, $24,182.

N. J., Hackensack—Hackensack Impvt. Com., Municipal Bldg., paving Marvin and Sutton Aves., also Lookout Ave., to Harper Bros., 162 Beech St., Hackensack, $70,985 and $18,200 respectively; East Passaic St., to J. Rongo, 90 New St., $8,928. Grand total $98,113. Noted July 12 and Aug. 2.

N. J., Maywood (br. Hackensack)—Bd. Boro Council, Boro Hall, paving Orchard Pl., Edel and Belle Aves., to J. Kinzley Co., Zabrisky St., Hackensack, $25,366. Noted July 19.

N. J., Newark — Bd. Freeholders Essex Co., Hall of Records, grading, curbing, sewers, 2 course 8 in. rein.-con. paving Vaux Hall Rd., to Loprete Asphalt Co., 423 Amherst St., East Orange, $15,724; Springfield Ave., to A. Lamporiello, 67 Glenridge Ave., Montclair, $15,560. Noted Aug. 2.

N. J., New Brunswick—Middlesex Co., Court House, rein.-con. paving Aqueduct-Plainsboro Rd., and resurfacing Main St., Woodbridge, to A. Keyes, Woodbridge, $35,325 and $8,872 respectively.

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall, curbing, concrete paving Bloomfield Ave., to Carmen Jannarone Contg. Co., 20 Harrison St., 50,554. Noted July 4.

N. J., Plainfield—Common Council, City Hall, recurbing, bituminous macadam pav-

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Streets and Roads (Continued)

ing Elizabeth St., and 5 avenues, to J. Naples, Inc., 118 Jefferson Ave., Passaic, $61,171. Est. $102,500. Noted Aug. 2.

N. J., Ridgefield Park—Grading Brewster Ave., and constructing East Side Sewer Sect. 3, to G. DiNapoli, Inc., 80 Main St., Hackensack, $28,582. Noted Aug. 9.

N. J., Somerville — Somerset Co., 9 in. rein.-con. paving Basking Ridge-Norris Co. line Rd., to Golden Constr. Co., 5012 Woodbine St., Phila., Pa., $105,822. Noted July 12.

N. J., Tenafly—Bd. Boro Council, Boro Hall, rein.-con. paving Lindley Ave., to Falcon & D'Amillio, Cresskill, $20,208. Noted July 19.

N. J., Union—Union Co., Elizabeth, 3 in. sheet asphalt paving 44,100 sq.yd. Stuyvesant Ave., to J. F. Burke, 305 Park Ave., Plainfield, $206,235. Est. $210,000. Noted Aug. 2.

N. J., Union—Twp. Com., Town Hall, curbing, 6 in. rein.-con. paving Balmoral Ave., Ernest and Long Terraces, to Elizabeth Paving Co., 715 Elizabeth Ave., Elizabeth, $24,410; Apgar Court, Ray Ave. and Steuben St., to J. Dorer, 644 Nye Ave., Irvington, $26,113. Noted Aug. 2.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to J. F. Feeney, 106 Kalos St., grading Borbeck, Bradford and Farnsworth Sts. $20,483—to M. Masse, 3936 North Reese St., Bristol St. $567; High and Mechanic Sts. $3,591—to J. Ciccone, 5732 Westminster St., Claridge, Dungan, Howland, Longshore, Northumberland and Tabor Sts. $3,293—to R. B. Wenner, 2819 Gordon St., Ella St. $677; Moore and 31st Sts. $4,743; 53rd St. $1,146; 66th St. $1,123—to J. Herzog, 4314 Old York Rd., 19th St. $1,380—to Barber Asphalt Co., Hunting Park Ave. E., asphalt paving (assessment work), Andrews, 18th and 19th Sts. $38,950; Dunlap, Jefferson and 57th Sts. $37,897; Montgomery St. $5,477; 53rd St. $7,289; 58th St. $13,481; asphalt repaving Clementine, Sydenham and Victoria Sts. $10,334; Colorado, Latona, Mayton, McClellan and Oakford Sts. $21,884; Jackson St. $15,856; Peter and 29th Sts. $5,862; Smedley St. $6,753; 31st and 32nd Sts. 15,922; 35th St. $5,753—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving (assessment work) Godfrey St. $33,-298; asphalt repaving Magnolia and Rittenhouse Sts. $19,433; Seymour and Wister Sts. $25,705—to C. G. Centrone, 520 North 65th St., improving Culp, Manti and Parker Rds. $5,353; redressed granite block repaving Parrish St. $4,524—to F. A. Caruso & Son, 804 South 12th St., improving Knorr and Tyson Rds. $19,605—to Curtis Bros., 6640 State Rd., Loretta Rd. $29,328—to M. Leewright, 424 Seville St., Sunset Rd. $4,003—to Municipal Constr. Co., Washington Sq. Bldg., asphalt repaving Carpenter, Kater and Montrose Sts. $69,103—to Eastern Asphalt Co., Penna. Bldg., Green St. $22,872; Jasper, Livingston, Melvale, Miller, Venango, Vici Sts., $46,433; Thompson St. $40,887—to Elkins Paving & Constr. Co., 836 North Holly St., smooth dressed granite block repaving Commerce, Filbert and 13th Sts. $8,662—to P. Salucci, 512 North 65th St., Richmond St. $8,786. Grand total $560,453. Noted Aug. 9.

Pennsylvania—State Hy. Comn., Harrisburg, bituminous treated macadam surfacing 1,962 sq.yd. Franklin Co., to Jones Constr. Co., West Winfield, $62,425—bituminous treated macadam surfacing 13,-827 sq.yd. Elk Co., to G. J. Weisner, St. Marys, $50,594—grading 37,802 cu.yd. Beaver Co. and rein.-con. paving 10,490 sq.yd. Washington Co., to B. Franklin, Jr., 1420 Chestnut St., Phila., $48,298 and $50,-997 respectively—rein.-con. paving 9,319 sq.yd. Armstrong Co., to Windber Constr. Co., Windber, $45,465—41,306 sq.yd. Westmoreland Co., to E. H. Canon, 4079 Jenkins Arcade, Pittsburgh, $183,003—52,786 sq.yd. Erie Co., to J. C. Devine Co., Meadville, $226,529—18,168 sq.yd. Lebanon Co., to W. Grant Raub Co., Red Lion, $83,849—10,600 sq.yd. Somerset Co., to M. F. McCabe & Co., Salisburg, $47,007—6,697 sq.yd. Bradford Co., to A. W. Hinaman Constr. Co., R. D. 2, Williamsport, $30,549 — 24,969 sq.yd. Lycoming Co., to Smouse & Kreamer, Galeton, $118,046—19,050 sq.yd. Lancaster Co., and 34,888 sq.yd. Susquehanna Co., to Ashland Lumber Co., Ashland, $78,900 and $176,808 respectively. Grand total $1,202,-470. Noted July 12.

Md., Baltimore—Bd. Awards, concrete paving 12,200 sq.yd. Contr. 477, to D. Marine, 236 Albemarle St., $28,241; sheet asphalt paving 5,600 sq.yd. Contr. 478, to P. Flanigan, Harford Rd. and Baltimore & Ohio R.R., $39,688. Noted Aug. 9.

Md., Baltimore—Bd. Awards, sheet asphalt paving 9,550 sq.yd. Contr. 476, to Amer. Paving Co., Montebello Ave., $48,-996. Noted Aug. 2.

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Miss., Belzoni—Humphreys Co., concrete paving 37,885 sq.yd. and rein.-con. paving 8,200 sq.yd. Federal Aid Project 179-C, to T. L. James & Co., Ruston, La., $90,463. Noted Aug. 2.

Miss., Europa—Bd. Aldermen, grading, curbing, sewers, concrete paving 17,100 sq.yd., to Schevenell Co., 757 Woodward Bldg., Memphis, Tenn., $35,358. Noted Aug. 2.

Miss., Macon—Grading, curbing, guttering, concrete paving 12,513 sq.yd., to Merrill Eng. Co., Jackson, $52,000.

Miss., Vicksburg—Curbing, guttering, paving 15,500 sq.yd. East Clay St., also 3,000 sq.ft. concrete driveway around City Hall, to V. T. Zollinger, Vicksburg, $37,000; 17,-800 ft. 8- to 30-in. sewers, 150 catch basins, 36 castings, to Vicksburg Lumber Co., Vicksburg.

Tennessee—State Dpt. Hys. & P. Wks., Nashville, **(P. means Project)**, rock asphalt paving P.S.B.P. 10, Meigs Co., to R. H. H. Blackwell, Jacksonville, Fla., $149,-771—P. 75-B, Davidson Co., to J. L. Humbard Constr. Co., Knoxville, $26,389—P. 80-A, Davidson Co., and P. 330-A, Obion Co., to W. J. Bryson Paving Co., 239 West Adams St., Jacksonville, Fla., $254,610 and $114,492 respectively—P. 93-B, Rutherford Co., to G. A. Thomason, Macon, Ga., $96,-786—P. 108-B-C, Franklin Co., to Interstate Constr. Co., Independent Life Bldg., Nashville, $13,905—Improving P. 147-B, Carroll Co., to S. K. Jones Constr. Co., Cotton Exch. Bldg., Memphis, $129,683—P. 170-C, Marion Co., and P. 512-A, Rutherford Co., to Brown Constr. Co., 706 Manning St., Chattanooga, $106,819 and $15,889 respectively—P. 209-A, Cumberland Co., to R. S. Freeman, 701 Magnolia St., Knoxville, $17,283—P. 313-C, Decatur Co., to Jamison Bros., High Point, N. C., $75,584—P. 322-A, 323-A and 509-A, McMinn and Monroe Counties, to Asphalt Distributing Co., Victoria Bldg., St. Louis, Mo., $50,586—P. 331-A, Weakley Co., to Hays Constr. Co., Jackson, $103,432—P. 331-B, Weakley Co., to F. G. Hall, Martin, $158,747—P. 333-A and C, Warren Co., to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, Ala., 26,484—P. 356-A, Hamilton Co., to E. A. Wood & Co., Andrews, N. C., $51,416—P. 369-C, Lewis Co., to M. C. Morrills, Erin, $6,620—P. 375-C, Montgomery Co., to Moore & Boyd, Hopkinsville, Ky., $44,273—P. 379-D, Jefferson Co., to Walters & Procter, Madisonville, $168,524—P. 929-E, Cocke Co., to Gambill Constr. Co., Asheville, N. C., $145,717—P. 381-C, Davidson Co., to Orr-Barnes Co., Volunteer Life Bldg., Chattanooga, $15,289—P. 282-B, Montgomery and Robinson Counties, to Marion Constr. Co., Chestnut Mound, $44,-852—P. 383-B, Giles Co., to R. E. Martin, Carthage, $176,680—P. 399-B, Bradley Co., to H. E. Wolfe Constr. Co., St. Augustine, Fla., $22,979—P. 505-A, Dickson Co., to G. Chandler, Virgilina, Va., $66,526—P. 506-A, Hamilton Co., to Mack Constr. Co., Knoxville, $79,842—P. 508-A, Hickman Co., to Jamison Bros., Highpoint, A. C., $53,051—P. 510-A, Cumberland Co., to R. B. Tyler, Inc., 1446 Levering St., Louisville, Ky., $12,-419—P. 511-A, Bledsoe Co., to S. E. Finley, 292 North Ave. N. W., Atlanta, Ga., $32,947—P. 513-A, Dickson Co., to Montgomery & Parker, Rockport, Ind., $19,302—P. 514-A, Knox Co., to Southern Constr. Co., 615 South 11th St., Birmingham, Ala., $29,057. Grand total $2,309,954. Noted July 26.

Kentucky—State Hy. Dpt., Frankfort, to Alexander Bros. & Hopkins, Cadiz, traffic bound macadam surfacing 2.278 mi. roads in Allen Co. $26,155—to H. R. Longabaugh, Louisville, traffic bound macadam surfacing 7.731 mi. Madison Co. $42,576—to J. S. Walton & Co., Brandenburg, 8.823 mi. Shelby Co. $80,896—to R. B. Tyler Co., Louisville, 8.789 mi. Montgomery Co. $54,-182—to Ashland Supply Co., Ashland, 19.582 mi. Lawrence Co. $143,537; grading 10.113 mi. Boyd Co. $111,618—to W. F. Robinson & Son, Owensboro, bank gravel surfacing 15.525 mi. Marshall Co. $46,688—to J. D. Eli & Co., Dawson Springs, 10.126 mi. Graves Co. $28,443—to N. E. Stone & Co., Madisonville, 9.656 mi. Ballard Co. $28,242; 8.558 mi. Graves Co. $23,702; rock asphalt surfacing 7.31 mi. McCracken Co. $134,661—to Corum Bros., Madisonville, bank gravel surfacing 13.858 mi. Carlisle and Ballard Counties, $35,189; grading 11.464 mi. Hopkins Co. $40,846—to Hayes Constr. Co., Jackson, Tenn., rein.-con. paving 0.687 mi. Fulton Co. $19,663—to Codell Constr. Co., Winchester, creek gravel surfacing 5.516 mi. Perry Co. $28,052; grading 3.982 mi. Carter Co. $47,165; 7.225 mi. Madison Co. $69,709; 8.721 mi. Perry Co. $155,580; 6.607 mi. Perry Co. $42,317—to Hunt Forbes Constr. Co., Ashland, 4.654 mi. Greenup Co. $63,610—to G. E. Stoner, Kuttawa, 7.663 mi. Crittenden Co. $83,790—to Southerland Bros., Clintonwood, Va., 16.489 mi. Pike and Letcher Counties, $258,-140—to S. D. Pace & Co., Burkesville, 7.024 mi. Metcalfe Co. $88,090—to Carter, Carter & Braden, Clay, 8.935 mi. Henderson Co. $50,978—to R. E. Pryor & Co., Mayfield, 6.432 mi. McCracken Co. $54,246. Grand total $1,758,074. Noted July 12.

O., Akron—Summit Co. paving 2 mi. Botzoon-Ghent Rd., 18 ft., to Canton Sand & Gravel Co., 1300 Claredon Ave. S.W., Canton, $30,306. Est. $30,000. Noted Aug. 9.

Ind., Indianapolis—Two course concrete paving Traub Ave., to A. D. Bowen, 2242 Bway., $7,804; English Ave., to W. D. Vogel, 702 West Morris St., $20,547.

Ind., Jeffersonville—Concrete paving 6th St., to H. K. Williams, New Albany, $27,156.

Ind., Newport—Vermillion Co., concrete paving E. O. Briant Rd., to O. J. Larkin, Greencastle, $21,082; South Elder Rd., to W. M. E. Layne, Crawfordsville, $47,876. Noted July 26.

Ind., Terra Haute—Vigo Co., concrete surfacing 4½ mi. Strole Rd., to J. Shepherd, Terra Haute, $121,978. Noted Aug. 2.

Mich., Detroit — Concrete curbing, one course concrete paving 83,352 sq.yd. Manor Blvd. and 6 avenues in Allen Park, to Mark R. Hanna Co., Ryan and Nevada Rds., $218,515.

Mich., Northville—Sheet asphalt on 8 in. concrete paving 2,695 ft. Linden, West, High and Wing Sts., to G. R. Cooke Co., Penobscot Bldg., Detroit, $29,336; concrete paving 3,470 ft. Center, Rogers and Fairbrooks Sts., to W. L. Dailey, Ann Arbor, $23,359.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, to W. Lough & Sons, Marion, paving Randolph Co. $69,925—to Midwest Eng. Co., Mt. Vernon, Route 9, Sect. 24-G, Hancock Co. $13,724; same road, Sect. 25-G, $38,282; Route 13, Sect. 15-X, Perry Co., $30,199; same road Sect. 15-X, $12,513; Randolph Co., $52,616—to E. H. Merrick, McHenry, McHenry Co. $11,242—to D. W. Carnine, Sullivan, Douglas Co. $10,705—to W. D. Lonergan Constr. Co., Jacksonville, Livingston Co. $117,517—to C. J. Moritz, Inc., Effingham, Macon Co. $238,-361—to McMahan Constr. Co., Rochester, Ind., Route 47, Sect. 123-X, Livingston Co. $41,082, same road, Sect. 124, $131,093—to McCarthy Impvt. Co., Kahl Bldg., Davenport, Ia., Peoria Co., $148,257—to Breeden Bros., Springfield, Bureau Co. $51,732—to Hartmann-Clark Bros., 930 Peoria Life Bldg., Peoria, Livingston Co., $123,390—to Everglades Constr. Co., Miami, Fla., grading Alexander Co., $217,775—to S. J. Groves & Sons Co., 506 Globe Bldg., Minneapolis, Minn., Lake Co., $6,326; Pike Co., $54,301—to Cameron-Joyce & Co., Keokuk, Ia., Randolph Co. $36,940—to Hart & Hart, Sandborn, Ind., Macon Co. $20,335. Grand total $1,483,315. Noted July 5.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, to Duncan Constr. Co., Ottawa, paving in Kendall Co. $222,-086—to McCarthy Impvt. Co., Kahl Bldg., Davenport, Ia., Peoria Co. $157,315; Putnam Co. $133,823; Clark and Cumberland Counties, $97,897; Stark, Peoria and Jasper Counties, $219,700—to Chicago Heights Coal Co., 27 East 19th Pl., Chicago Heights, Will and Cook Counties, $344,041—to Zolper & Sons, Mendota, Kane Co. $53,965—to E. J. Tegge Constr. Co., Papineau, La Salle Co., $24,104—to Hartman Clark Bros., 920 Peoria Life Bldg., Peoria, Fulton Co. $51,616; Fulton and Tazewell Counties, $2,772; Tazewell Co. $33,593—to Jansen & Schaefer, Inc., Pekin, Tazewell Co. $21,265—to Stevens Bros., Endicott Bldg., St. Paul, Minn., De Kalb and Kane Counties. $236,598—to McCree & Co., 315 Hackney Bldg., St. Paul, Minn., Kane Co. $139,980—to P. Simons, Quincy, Schuyler Co. $148,321—to J. I. Ransom, Strasburg, Manton Co., $224,000—to S. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn., Hancock Co., $190,673; grading Pike Co. $53,595; Marshall Co. $51,596—to Burch Constr. Co., 2009 Madison St., Madison, Wis., Marshall Co. $59,896—$2,466,836. Noted July 12.

Ill., Chicago — Bd. Local Impvts., City Hall, grading, curbing, guttering, sewers, paving the following streets, asphalt on 6 and 8 in. concrete, Paulina, West 61st and 87th Sts., South Oakley and South Claremont Aves., 8 in. concrete and 2 in. asphaltic concrete West 87th and Justine Sts., to R. F. Conway Co., 844 Rush St.—East 58th, East 124th, West 96th, 104th and 105th Sts., Parnell, Lafayette, Perry, South La Salle, Wentworth, Yale, Princeton, Howard, South Artesian and Campbell Aves., to American Asphalt Paving Co., 133 West Washington St.—asphalt on 6 and 8 in. concrete Fitch, Hood, Leroy, Leona, Lennox, Leggett and Lecti Aves., to Barber Paving Co.—Lakewood, North Shore, North Keeler, Kimball and North Talman Aves., and asphalt on granite block and present concrete repaving West Chicago Ave., to White Paving Co., 1375 Fullerton Ave.—Fletcher St., to J. A. Ross & Co., 4561 Armitage Ave. —8 in. concrete Gladys and

Streets and Roads (Continued)

Wrightwood Aves., to Home Paving Co., 134 North La Salle St.—Avenue F, to Calumet Coal Co., 9022 Commercial Ave.—West 105th St. and Hale Ave., to Farr Bros. Co., 356 West 111th St.—North Kolmar and Dickens Aves., to J. A. Ross & Co., 4561 Armitage Ave.—South Artesian Ave., West 101st and 102nd Sts., to Hedges Constr. Co., 64 West Randolph St.—grading, sewers, concrete paving 4 alleys, to P. J. O'Brien & Co., 4 North Cicero Ave.—2 alleys, to Paramount Constr. Co., 82 West Washington St.—5, 6, 9, 11 and 16 ft. concrete sidewalks on one and both sides West Lake and West 93rd Sts., West Chicago, Milwaukee, Wellington, Wabansia, West North and North Natchez Aves., to Banner Constr. Co.—East 34th and 135th Sts., Avenues E, K, L, N, O and Calumet Aves., to Superior Concrete Constr. Co., 133 West Washington St.—Ibsen St., Northern Hy., Oriole, Ottawa and Overhill Aves., to O. E. Brooks & Son, 6238 North West Highway—West 69th St., Champlain and Kimbark Aves., to Aldrich Constr. Co., 133 West Washington St.—West 18th and East 127th Sts., to G. Kehl Sons, 2225 North Maplewood Ave.—East 82nd St., to Biesen & Barclay—Irving Park Blvd., North Halsted St., Glenview, Hilldale, Lunt, Leland, Montrose and North Crawford Aves., to C. Schroeder, Jr., 1460 Pensacola Ave.—Lake Park St. and West Madison Ave., to A. Ricciardi, 735 South Robey St. Noted July 26.

Ill., East St. Louis—For 7 and 8 in. rein.-con. paving 12,280 sq.yd. 41st, 57th and 76th Sts., to Louis Rich, 2038 St. Clair Ave., $56,500; concrete paving Collinsville Ave., to Concord Constr. Co., 411 North 7th St., St. Louis, Mo., $18,400.

Ill., East St. Louis — Grading, curbing, concrete paving Renshaw Paving Dist., to Keeley Bros. Constr. Co., 4301 State St., $138,859. Noted Aug. 9.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Schwerm Bros., 50 Lee St., paving 1 alley $298—to J. P. Mohlberg, 818 Capitol Dr., improving East Morgan Ave., $10,450; 38th Ave. $9,028; 40th Ave. $7,336; 41st Ave. $8,119; Roder Court, $2,835; 27th St. $1,022; 39½ St. $5,762—to R. H. Gumz, 831-13th Ave., Lenox St. $1,976—to W. F. Hunt, 445 Milwaukee St., Atkinson Ave. $12,217; Morten Dr. $25,107—to A. E. Retzlaff, 868 Island Ave., 46th St. $7,025—to Bonness & Sprout, 1226-3rd St., 50th St. $2,284; Keefe Ave. $1,606—to Eastern Constr. Co., 878 Franklin Pl., 51st St. $4,043—to A. J. Koch, 1297 Cramer St., Notre Dame Court $7,016—to Czerwinski Constr. Co., 816 Clinton St., Roosevelt Dr. $18,115—to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., Lenox St. $11,959; Harbor Commission Rd. $5,871; Biddle St. $45,062—to J. C. Bluhm & Sons, 1299 Achilles Pl., 36th St. $7,100; 38th St. $21,010. Grand total $220,907.

Iowa—State Hy. Comn., Ames, paving 16.463 mi. Mahaska Co., to Larson Constr. Co., Des Moines, $407,851—grading 7.092 mi. Buchanan Co., to J. W. Ault, Ft. Dodge, $33,581—2.188 mi. Clayton Co., to H. Thursdale, Delhi, $10,094—2.137 mi. Howard Co., to Mulgrew & Sons Co., Dubuque, $17,761—6.57 mi. Louisa Co., to J. B. Hannahs, Keokuk, $57,596—12.542 mi. Wayne Co., to Roberts Constr. Co., Lincoln, Neb., $91,842—6.593 mi. Worth Co., to D. C. Condon, Omaha, Neb., $27,535—graveling 15 mi. Adair Co., to Falcon-Reinking, Inc., 218 Cedar Rapids Natl. Bank Bldg., Cedar Rapids, $39,435—12 mi. Adair Co., to F. Cram & Son, Des Moines, $36,366—17.39 mi. Alamakee Co., to Jones & Hiestand, Lancaster, Wis., $23,042—grading, sewers, grade crossing in Appanoose Co., to G. Cronkhite, Perry, $5,502—Fayette Co., to Kell-Halvorsen, Eagle Grove, $4,383. Grand total $754,986. Noted Aug. 2.

Ia., Davenport—City Clerk, 7 in. rein.-con. paving Spring St. and alley in McClellan Park Addition, to Star Coal & Impvt. Co., Hobson and Farragut Sts., $4,388—8 in. rein.-con. paving Hillcrest and Lincoln Aves., to W. D. Phelan, Citizens Bank Bldg., $25,114—2 in. asphalt on old base paving Fall and Pleasant Aves., to Ryan Constr. Co., Levee Front East of Government Bridge, $11,435. Grand total $40,937.

Ia., Dysart — For 7 in. rein.-con. paving 14,000 sq.yd., to Haegg Constr. Co., 1105 12th Ave. W., Cedar Rapids, $31,480. Noted July 5.

Ia., Greenfield—Adair Co., stone surfacing 15 mi. Primary Road 25, to Falcon-Reinking, Inc., 218 Cedar Rapids Natl. Bank Bldg., Cedar Rapids, $39,435.

Ia., Independence—Buchanan Co., grading 7.092 mi. Project 548-B, to J. W. Ault, Ft. Dodge, $33,581.

Ia., Iowa City—For 2½ in. brick paving 2,544 yd. and 7 in. rein.-con. paving 6,865 yd., to W. Horrabin Constr. Co., 15 East College St., $28,781.

Minnesota—State Hy. Comn., St. Paul, grading 389,000 cu.yd. F.A.P. 40, to R. P. England, Mitchell, S. D., at $0.21 per cu.yd.; 253,000 cu.yd. F.A.P. 118, to Erickson-Johnson Constr. Co., 1811 East Lake St., Minneapolis, at $0.255 per cu.yd. Noted July 26.

Minn., St. Paul—K. L. Fieseler, city purch. agt., paving Payne Ave. between bridge over Omaha Ry. and Jessamine St., to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., $57,695. Est. $65,000. Noted Aug. 2.

Neb., Lincoln — T. H. Berg, city clk., asphaltic concrete paving 11,435 sq.yd. Dist. 783, to Cochrane Constr. Co., 822 1st Natl. Bank Bldg., $38,851—Dists. 770 and 777, to Abel Constr. Co., 308 Terminal Bldg., $3,261 and $2,517 respectively. Grand total $44,629. Est. $40,000.

Missouri — State Hy. Comn., Jefferson City (**R. means Route**), to C. H. Atkinson Paving Co., Watertown, S. D., widening, concrete paving 0.68 mi. R. 13, Sect. 34, Henry Co. $4,591—to M. E. Gillioz, Monett, 30 ft. grading 3.996 mi. R. 65, Sect. 307-A, $30,927; 5 mi. R. 65, Sect. 307-C, $56,464; 4.857 mi. R. 65, Sect. 307-D, $40,763, all Dallas Co.—to T. G. Morris, St. Joseph, 2.571 mi. R. 46, Sect. 9, Worth Co., $41,955—to Farrell & Dubrouillet, Linn, 2.285 mi. R. 47, Sect. 16, Warren Co., $38,176—to J. M. Roark & Sons, Anderson, 1.85 mi. R. 33-A, Sect. 1, Clinton Co., $21,364—to J. L. Simmons, La Plata, 1.686 mi. R. 6, Sect. 42, Adair Co., $27,790—to Pioneer Constr. Co., Kansas City, 3.346 mi. R. 69, Sect. 300-A, $55,209; 3.043 mi. R. 69, Sect. 300-B, $22,763, Davies Co.; 3.235 mi. R. 69, Sect. 8-B, $63,348; 3.8 mi. R. 68, Sect. 8-C, $35,476, Harrison Co.—to C. P. O'Reilly Constr. Co., St. Louis, 54 ft. grading 1.919 mi. R. 2, Sect. 6, St. Louis Co., $36,536—to G. W. Condon Co., Omaha, Neb., 30 ft. grading 1.056 mi. R. 1, Sect. 309-A, $10,017; 4.899 mi. R. 1, Sect. 309-B, $49,935, Atchison Co.; 18 ft. graveling 0.37 mi. R. 10, Dunklin Co., $5,275—to Republic Constr. Co., Republic, 18 ft. graveling 0.523 mi. R. 70, Sect. 2, Iron Co. $36,630—to McGlone & Walesby, Higginsville, 3.057 mi. R. 5, Sect. 288-D, Chariton Co. $60,164—to Kelly & Underwood, Granby, 1.307 mi. R. 71, Sect. 110, McDonald Co. $35,492; 3.809 mi. R. 13, Sect. 36-B, Henry Co. $26,249—to C. Gidinsky Constr. Co., Kansas City, 3.213 mi. R. 5, Sect. 46, $18,769; 2.619 mi. R. 5, Sect. 46-A, $24,205, Cooper Co.—to E. E. Henderson, Sikeston, 0.5 mi. R. 67, Sect. 25, Butler Co. $9,152—to J. H. Stephens, Clarksburg, 3.528 mi. R. 5, Sect. 87-A, Wright Co. $10,216; 4.608 mi. R. 5, Sect. 88-A, $10,774; 4.583 mi. R. 5, Sect. 89-A, $11,216, Douglas Co.; hauling gravel for 3.763 mi. R. 28, Sect. 8-A, $4,121, 3.931 mi. R. 28, Sect. 9-A, $6,298, Maries Co.—to M. C. W. Constr. Co., Jackson, 4.062 mi. R. 25, Sect. 25-A, Cape Girardeau Co., $12,555—to J. P. Sparks, Kirkwood, for R. 47, Sect. 12, Warren Co. $6,606—to M. N. Penny, Lawrence, Kan., grading 9 and 18 ft. concrete paving 3.6 mi. R. 59, Sect. 2-A, Platte Co., $33,984. Grand total $909,989. Noted Aug. 9.

Okla., Oklahoma City—For 7 in. concrete widening 4,660 sq.yd. West 10th St., to M. A. Swatek & Co., 519½ West Main St., $26,082. Est. $26,732. Noted Aug. 9.

Okla., Tulsa—Grading, 7 in. concrete paving 15,880 sq.yd. Evanston and Delaware Sts., to H. L. Cannady & Co., 1122 South Lewis St., $46,288. Est. $60,431.

New Mexico—State Hy. Comn., Santa Fe, graveling 4.432 mi. Project 101-B, San Juan Co., to Mountain States Contg. Co., Gallup $66,252; 14.78 mi. Project 107-D, Sierra and Dona Ana Co., to Veater & Davis, Two Republics Bldg., El Paso, Tex. $236,754. Noted June 14.

Idaho—State Hy. Comn., Boise, grading, pit run graveling 5,850 cu.yd. Project 112-A, Lincoln Co., to W. Harkins, Twin Falls, $18,324; siphons, culverts, bridges on Federal Aid Project 84-C, Bingham Co., to A. G. Plant, Ontario, Ore., $17,953.

Oregon—State Hy. Comn., Salem, grading, surfacing 17.24 mi. Leburn Hill Hy., Lane Co., to J. J. Dann, 96 Mirimar St., Portland, $104,973. Est. $126,430.

Ore., Portland — City Council improving 2,800 ft. 52nd St. S. E., to J. Rebman, Portland, $31,781. Est. $34,660.

Wash., Seattle—Bd. P. Wks., paving 2nd Ave. Extension, Div. 2, to Nygren Bros., 410 Lyon Bldg., $102,780.

Calif., Martinez—Contra Costa Co., grading St. Marys Rd., to M. J. Bevanda, Savings & Loan Bank Bldg., Stockton, $25,230; grading, warrenite on asphaltic concrete paving Arlington Ave., to Calif. Constr. Co., Standard Oil Bldg., San Francisco, $61,947. Noted Aug. 23.

Calif., South San Francisco — D. McSweeney, city clk., grading, asphalt paving Eucalyptus Ave., Chestnut and Commercial Sts., to Hanrahan Co., Standard Oil Bldg., San Francisco, $43,900. Noted July 19.

Ont., Ingersoll—Concrete curbing, guttering, asphalt on concrete paving 6,000 sq.yd. Thames St., to Ontario Amiesite Co., foot Spadina Ave., Toronto. Est. $25,000.

Ont., Kingston — Oiling and sanding suburban roads, general contract, to G. C. Wright, Brock St.; sanding, to R. Roddy, Division St. Est. $25,000.

Public Bond Elections

Coming Bond Elections

Waterworks—Pier, Etc.—Hollywood, Fla., $76,000.
Waterworks—Liberty, Tex., Sept. 1, $60,000.
Paving—Odessa, Tex., Sept. 18, $55,000.

Bonds Voted

Waterworks—Petrolia, Tex., $33,000.
Sewers—Knoxville, Tenn., $2,500,000. W. W. Maynott, City Engr.
Bridge—Nashville, Tenn., $1,000,000.
Irrigation System—Hidalgo County, Tex., Pharr-San Juan-Alamo Irrigation Dist., $3,000,000. P. S. Devine, Edinburg, Engr.
Paving—Brookfield, Mo., $35,000.
Roads—Kanawha County, W. Va., Union Dist., $135,000.
Roads—Holmes County, Miss., Dists. 1 and 4, $75,000.
Roads—Noxubee County, Miss., $30,000.
Roads — Briscoe County, Tex., Silverton Dist., $40,000.
Roads—Jackson County, Tex., $80,000.
Air Port—Kansas City, Mo., $1,000,000.
Flying Field—St. Louis, Mo., $2,000,000.

Bonds Defeated

Waterworks—Kansas City, Mo., $3,500,000.
Waterworks—Sweet Springs, Mo., $100,000.
Paving—Oklahoma City, Okla., $31,477.
Traffic Ways—Kansas City, Mo., $5,500,000.

Buildings—Commercial

Proposed Work

N. H., Claremont—COURT HOUSE and POLICE STATION—Town, A. L. Fitch, selectman, court house and police station, Broad St. $150,000. Engineer and architect not selected.

Conn., Newton—HALL—Town plans by Sunderland & Watson, 248 Main St., Danbury, Conn., 2 story, basement, 120 x 145 ft., brick, tile, plain found. $250,000.

Conn., Stamford—OFFICE and GARAGE—South New England Telephone & Telegraph Co., 175 Church St., New Haven, plans by R. W. Foote, 185 Church St., New Haven, brick, steel, concrete, Jefferson St. $150,000.

N. Y., Albany—SERVICE STATION and SALESROOM — Livermore-Traendly, Inc., 351 Central Ave., soon takes bids 4 story, steel, concrete, Chapel, Crange and Monroe Sts. $250,000. Parklap, Inc., 1333 12th St., Detroit, Mich., industrial engrs.

N. Y., Brooklyn — APARTMENTS — Amato Building Corp., 50 Court St., plans by P. Freshman, 50 Court St., fifteen 3 story, 20 x 81 ft., brick, timber, Bay Ridge and 8th Ave. $150,000.

N. Y., Brooklyn—APARTMENTS—J. F. Churlo Corp., 132 Highlawn Ave., six 4 story, 26 x 83 ft. apartments, Avenue S and West 10th St., $210,000; one 4 story apartment, Avenue S and West 11th St., $50,000. V. S. Todaio, 190 12th St., archt.

N. Y., Brooklyn—APARTMENT—Carroll Park View Realty Corp., L. Posner, secy., 611 Empire Blvd., plans by Cohn Bros., 361 Stone Ave., 6 story, 111 x 180 ft., brick, timber, Carroll St. and Washington Ave. $650,000.

N. Y., Brooklyn — APARTMENTS — Ditoll Contg., T. Dicicco, 300 East 61st St., plans by P. M. Coco, 433 Steinway Ave., Long Island City, two 5 story, 57 x 60 ft., brick, timber, Avenue C, East 9th St., and Coney Island Ave. $150,000.

N. Y., Brooklyn — APARTMENT — Fifteenth Ave. and 57th Street Corp., F. R. Klaw, pres., 19 West 34th St., New York, plans by McManus & Griffiths, 11 East 42nd St., New York, 6 story, 87 x 140 ft., brick, timber, 15th Ave. and 57th St. $280,000.

N. Y., Brooklyn — APARTMENT — A. Frankel, 55 West 42nd St., New York, plans by B. W. Dorfman, 66 Court St., 6 story, 77 x 100 ft., brick, timber, Ocean Ave. $150,000.

N. Y., Brooklyn — APARTMENT — Jack Corner, Inc., 16 Court St, plans by M. Rothstein, 186 Remsen St., 6 story, 109 x 159

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Buildings—Commercial (Continued)

ft., brick, timber, Ditmars Ave. and East 22nd St. $325,000.

N. Y., Brooklyn—APARTMENT—Karfel Building Corp., H. Lefrack, pres., 677 Crown St., plans by Kavy & Kavovitt, 360 Stone Ave., 4 story, 90 x 120 ft., brick, timber, Lenox Rd. and 55th St. $150,000.

N. Y., Brooklyn—APARTMENT—Krysler Building Corp., J. Seigemeister, pres., 577 East 96th St., plans by J. Fein, 1773 Pitkin Ave., brick, timber, Clarkson Ave. and East 53rd St. $150,000.

N. Y., Brooklyn — APARTMENT — One Thousand Five Ninety-Four Park Pl. Realty Corp., S. Forman, pres., 522 Van Siclen Ave., plans by J. J. Millman, 26 Court St., 6 story, 90 x 200 ft., brick, timber, 68th St., 19th and Bay Ridge Aves. $450,000.

N. Y., Brooklyn — APARTMENT — D. Solomon, 1 Grace Court, plans by M. E. Freehof, 415 Lexington Ave., 9 story, 74 x 75 ft., brick, steel, Pierrepont and Willow Sts. $400,000.

N. Y., Brooklyn—APARTMENT—Slow & Glass, Inc., 922 45th St., plans by Ricca & Ungarleiedr, 186 Remsen St., 4 story, 90 x 90 ft., brick, steel, Elton St. and New Lots Ave. $175,000.

N. Y., Brooklyn—HOSPITAL—Harlow Realty Corp., I. Bloom, pres., 50 Court St., plans by S. I. Malkind, 93 Court St., 4 story, 38 x 139 ft., brick, Kings Highway and East 26th St. $200,000.

N. Y., Brooklyn—STORE and APARTMENT—Granite Constr. Co., T. Exarhahis, pres., 5005 Beverly Rd., plans by J. W. Cytrgn, 1777 Pitkin Ave., 6 story, brick, steel, Rockaway Parkway and Church Ave. $250,000.

N. Y., Buffalo—WELFARE—Erie Co., bids in fall, 6 story (ultimately 8 or 9 story), brick, steel. Terrace St. between Eagle and Church Sts. $500,000. Bacon & Lurkey, 991 Main St., archts.

N. Y., Jamaica — OFFICE — Brooklyn Union Gas Co., H. Kirkham, 176 Remsen St., Brooklyn, bids in November, 3 story, rein.-con., 8976 162nd St. $175,000. Private plans.

N. Y., New York—APARTMENT—One Hundred Seven West 86th Street Realty Corp., G. Conrad, pres., 250 West 57th St., plans by J. M. Felson, 250 West 57th St., 80 x 180 ft., brick, steel, 105 West 86th St. $850,000.

N. Y., New York—APARTMENT—Three Hundred Two East 79th Street Corp., A. S. Baker, pres., 345 Madison Ave., plans by J. H. Felson, 250 West 57th St., 16 story, 82 x 169 ft., brick, steel, 302 East 79th St. $1,000,000.

N. Y., New York — COURT HOUSE — Dpt. P. Buildings, Municipal Bldg., soon takes bids 3 story, 64 x 104 ft. court house, McClellan St. and Grand Concourse. $200,000. M. Hausle, 3307 3rd Ave., archt. Noted July 26.

N. Y., New York—GARAGE—Lighthill Corp., c/o T. A. Meyer, archt., 150 East 41st St., New York, plans by T. A. Meyer, 150 East 41st St., 15 story, brick, steel, 319 East 39th St. $750,000.

N. Y., New York—HOSPITAL—Midtown Hospital, D. Hope, in charge, 227 East 57th St., bids in October, general contract 6 story, brick, 309 East 49th St. $300,000. Kohn & Butler, 56 West 45th St., archts.

N. Y., New York—HOTEL—West 49th Street Constr. Corp., C. H. Darmstadt, 352 West 43rd St., plans by H. I. Feldman, 415 Lexington Ave., 16 story, 90 x 100 ft., brick, steel, 137 West 49th St. $1,250,000.

N. Y., New York — OFFICE — Two Hundred Seventy Bway. Co., R. E. Dowling, pres., bids late in October, general contract 28 story, brick, steel, Bway. and Chambers St. $2,500,000. E. H. Faile & Co., 441 Lexington Ave., archt.

N. Y., St. George—HOSPITAL—Richmond Memorial Hospital, Princess Bay, plans by R. W. Gardner & W. Hoffman, 26 Bay St., 2 story, 42 x 130 ft., brick, Seguine Ave. and Melville St. $150,000.

N. J., Atlantic City—APARTMENT—C. F. Wahl, c/o V. B. Smith, archt., Guarantee Trust Bldg., will not construct 6 story, basement, brick, steel, plain found., 33 South Penna. Ave. Project abandoned. Noted Aug. 16.

N. J., East Orange—MEDICAL—Aetna Realty Co., H. Levy, 31 Wayne Ave., plans by W. E. Lehman, 972 Broad St., Newark, 10 story, basement, brick, steel, plain found., Main St. $1,000,000. Noted Aug. 9.

N. J., Hoboken—APARTMENT—Marlboro Co., J. J. O'Leary, pres., 730 Hudson St., plans by F. W. Fisher, 68 Hudson St., 8 story, basement, brick, steel, plain found., Washington St. between 10th and 11th Sts. $500,000. Noted Aug. 9.

N. J., Irvington (br. Newark)—GARAGE—Oakland Purchasing Co., c/o R. Nordin, archt., 14 Park Pl., Newark, 1 story, basement, 100 x 200 ft., brick, steel, rein.-con., 316-18 Colt St. $150,000.

N. J., Jersey City—APARTMENT—The 35 Kensington Ave. Corp., 35 Kensington Ave., plans by C. Shilowitz, Labor Bank Bldg., 5 story, basement, 50 x 100 ft., brick, steel, plain found., 35 Kensington Ave. $150,000.

N. J., Jersey City—APARTMENTS—C. Zerman, 157 Harrison St., East Orange, two 5 story, basement, 117 x 129 ft., brick, steel, plain found., 252-78 Harrison Ave. $1,000,000. Private plans. Noted Aug. 16.

N. J., Jersey City—MEDICAL—Syndicate, c/o W. Freile, 25 Tonnelle Ave., 10 story, basement, 100 x 100 ft., brick, steel, plain found., Tonnelle and Sip Aves. $1,500,000. Private plans. Noted Mar. 1.

N. J., Lyndhurst (br. Rutherford)—OFFICE and STORE—Cwner c/o F. P. Friedman, archt., 395 Springfield Ave., Newark, sketches 2 story, basement, 50 x 200 ft., brick, steel, plain found., Stuyvesant Ave. $150,000.

N. J., Newark—HOTEL—Bowman Biltmore Hotel Corp., c/o Hotel Development Serv., 369 Lexington Ave., New York, sketches by Thomas, Martin & Kilpatrick, 1600 Walnut St., Phila., Pa., 20 story, basement, brick, steel, plain found., South Broad St. near Lincoln Park. $1,500,000. Noted May 3.

N. J., North Caldwell (br. Caldwell) — MUNCIPAL—Bd. Boro Council, 2 story, basement, brick, steel, municipal building and athletic field. $150,000.

N. J., Orange—APARTMENT—Scotland Arms, Inc., Scotland Rd., plans by M. Villanneva, 604 Central Ave., East Crange, 5 story, basement, brick, steel, plain found., Vose Ave. and Whitehall Pl. $150,000.

N. J., Palisades Park—APARTMENT and STORE — One Hundred Eighty-Six to Eighty-Eight Columbus Ave., Corp., G. W. Sasse, 2096 8th Ave., New York, 5 story, basement, brick, steel, plain found., Broad Ave. $200,000.

Pa., Phila.—CHEMICAL LABORATORY—Austin Co., engrs., 1015 Chestnut St., soon lets contract 3 story, basement, 30 x 60 ft., rein.-con., brick, plain found., 3rd and Somerset Sts., for E. F. Houghton Co., 240 West Somerset St.

O., Mansfield—BANK and OFFICE—Richland Savings Bank, soon lets contract 7 story, basement, 62 x 108 ft., brick, steel, rein.con. $750,000. Althouse & Jones, Market Bldg., archts. Weary & Alford, 1923 Calumet St., Chicago, Ill., consult. archts.

Ia., Winterset — HOSPITAL — Greater Community Hospital Assn. sketches by Vorse, Kraetsch & Kraetsch, 1201 Commonwealth Bldg., Des Moines, 4 story, basement, 45 x 96 ft., rein.-con., brick, stone, West Filmore St. $600,000.

Neb., Lincoln—HOSPITAL—Bryan Memorial Hospital, c/o A. R. Talbot, pres., 2001 B St., sketches by Meginnis & Schaumberg, 614 Federal Trust Bldg., 1 and 2 story, rein.-con., brick, stone, 48th and Sumner Sts. $300,000.

Neb., Omaha—BUS TERMINAL—Union Bus Depot, c/o D. A. Baum, 231 City Natl. Bank Bldg., sketches 2 story, basement, 100 x 180 ft., rein.-con., brick, 16th and Jackson Sts. $250,000. Noted Aug. 23.

Neb., Omaha—POOR HOUSE—Douglas Co., G. Berger, clk., sketches by J. Latenser & Sons, Peters Trust Bldg., rein.-con., brick, stone. $165,000.

Tex., El Paso—MEDICAL ARTS and GARAGE—C. N. Bassetts, c/o State Natl. Bank Bldg., plans by Trost & Trost, Two Republics Bldg., 12 story, 50 x 120 ft., rein.-con., brick, steel, Texas and Stanton Sts. $500,000.

Tex., Pampa — COURTHOUSE — Comrs. Gray Co., T. M. Wolfe, judge, rejected bids Aug. 13, 4 story, part basement, 86 x 120 ft., brick, steel, concrete pile found. $300,000. Will readvertise. W. R. Kaufman, 1007 Monroe St., Amarillo, archt. Noted Aug. 2.

Ore., Portland — STORAGE — M. Olsen Transfer Co., 247 Pine St., plans by R. W. Hoesack, Portland, 3 story, basement, 70 x 90 ft., rein.-con., solid rock found., Washington and 22nd Sts. $150,000.

Calif., Long Beach—STORE—H. A. Martl & Co., c/o Meyer & Holler, archts., Wright-Callendar Bldg., Los Angeles, 4 story (ultimately 5 story), 150 x 150 ft., rein.-con., steel, 4th St. and Pine Ave. $500,000.

Calif., Los Angeles—HOTEL—Owner, c/o Schilling & Schilling, archts., Farmers & Merchants Bank Bldg., Long Beach, sketches 6 story, basement, Bway. and Linden Ave. $250,000.

Calif., Los Angeles—MARKET—Owner, c/o D. McFarland, archts., 519 10 St., Azusa, part 1 and 4 story, 230 x 500 ft., rein.-con., Fountain Ave. $175,000.

N. Y., New York — APARTMENTS — See "Contracts Awarded."

Ont., Hamilton—EXCHANGE—Bell Telephone Co., soon takes bids Hugh Esler Exchange, Jackson St. $750,000.

Ont., Hamilton—HOTEL, STORE and BUS TERMINAL—Royal Hotel & Terminal Co., 327 James St. S., plans by F. G. Engelholm, 321 Bloor Bldg., Toronto, 14 story, basement, 187 x 330 ft., rein.-con., brick, stone, steel, James St. N. $3,000,000. Noted July 12.

Ont., Ottawa — RESEARCH — Dpt. P. Wks., Parliament Bldgs., plans by Sproatt & Rolph, 1162 Bay St., Toronto, rein.-con., brick, steel, plain found., Sussex St. $750,000.

Ont., Toronto — OFFICE — Wellington Building Corp., c/o Baldwin & Green, archts., 26 Bloor St. W., 11 story, basement, 8 x 160 ft., rein.-con., brick, steel, stone, plain found., Wellington St. $500,000. Noted June 28.

Ont., Walkerville — WAREHOUSE — International Terminal Ltd., A. H. Wilford, mgr., Bartlett Bldg., Windsor, 6 story, 132 x 800 ft., rein.-con. terminal warehouse and docks. $2,000,000. A. W. Connor, 301 Metropolitan Bldg., Toronto, engr.

Bids Desired

Mass., Fall River—STORE and OFFICE—Aug. 31 (extended date), by Burke & Davis, North Main St., and D. Shapiro, archt., Globe Bldg., 4 story, brick, steel, rein.-con., North Main and Granite Sts. $150,000. Noted Aug. 9.

Mass., Hingham—TEMPLE—Old Colony Lodge A. F. & A. M., J. I. Botting, taking bids 1 story, basement, brick, stone, granite, plain found. Est. $150,000. T. M. James Co., 3 Park St., Boston, archt. Noted Aug. 9.

Mass., Mansfield — THEATRE and STORE—Acme Trust Co., c/o J. Meyer, 84 State St., Boston, taking bids 70 x 162 ft., brick. $150,000.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn—LOFT and FACTORY—H. J. Nurick, archt., 44 Court St., taking bids general contract 6 story loft and factory, Trautman and Cypress Sts., for V. LaRosa & Son, Inc., 9 Wyckoff Ave. $250,000.

N. Y., Brooklyn—HOSPITAL—P. Morris Erickson, archt., 885 Flatbush Ave., taking bids 4 story hospital, 13-19 Winthrop St., for Midwood Sanitorium. B. D. Harrington, 19 Winthrop St. $150,000.

N. Y., Buffalo—HOSPITAL—Oct. 11, by Commissioner Mental Hygiene, Capitol, Albany, Reception Hospital, at Buffalo State Hospital.

N. Y., Central Islip—HOSPITAL—Oct. 10, by Dpt. Mental Hygiene, Capitol, Albany, patients accomodations at Central Islip State Hospital. Noted June 7.

N. Y., Kings Park — LABORATORY — Sept. 19, by Dpt. Mental Hygiene, Capitol, Albany, laboratory for Kings Park State Hospital; adv. E. N.-R. Aug. 30. Noted July 12.

N. Y., New York — APARTMENT-HOTEL — Sailor's Snug Harbor, 262 Green St., taking bids 9 story apartment hotel, 58 East 10th St. $1,000,000. Helmle, Corbett & Harrison, 130 West 42nd St., archts.

N. Y., New York — HOTEL, OFFICE, etc. — Salvation Army, 120 West 14th St., bids about Sept. 5, 17 story, 103 x 150 ft., brick, steel, 123 West 13th St. $1,500,000. Voorhees, Gmelin & Walker, 101 Park Ave., archts. Noted May 31.

N. Y., New York—LOFT and OFFICE—See "Contracts Awarded."

N. Y., New York—STORE and APARTMENT—See "Contracts Awarded."

N. Y., Orangeburg—HOSPITAL—Oct. 10, by Dpt. Mental Hygiene, Albany, buildings and tunnels, Rockland State Hospital. Noted July 12.

N. Y., Poughkeepsie—INFIRMARY, etc.—Sept. 19, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, infirmary, nurses home, staff accomodations and apartments, at Hudson River State Hospital. Noted June 7.

N. Y., Rochester—STAFF—Sept. 26, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, staff and employees building, Rochester State Hospital.

N. Y., Sonyea—HOSPITAL—Oct. 10, by Dpt. Mental Hygiene, Capitol, Albany, completing Peterson's Hospital, Craig Colony.

N. Y., Syracuse—HOSPITAL—Oct. 11, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, Psychiatric Hospital. Noted June 7.

N. Y., Thiells—SERVICE—Sept. 6, by Dpt. Mental Hygiene, Capitol, Albany, addition, Letchworth Village; adv. E. N.-R. Aug. 30.

N. J., Cliffside Park (br. Cliffside)—THEATRE—H. B. Crosby, archt., 125 Ellison St., Paterson, bids about Oct. 1, general contract 2 story, basement, brick, steel, Anderson Ave. and Gorge Rd. $150,000.

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Buildings—Commercial (Continued)

N. J., East Orange—APARTMENT and GARAGES—See Contracts Awarded."

N. J., Elizabeth — WAREHOUSE and STORAGE—G. F. Bial, archt., 145 Summit Ave., Union City, bids about Oct. 1, general contract 5 story, basement, 240 x 260 ft., brick, steel, rein.-con., plain found., 651-671 South Front St., for Bayway Terminal Co., South Front St., $200,000. Noted June 14.

N. J., Hackensack—APARTMENT—See "Contracts Awarded."

N. J., Newark — GARAGE — G. Jones, archt., 24 Commerce St., bids about Sept. 1, 7 story, basement, 52 x 116 ft., brick, steel, rein.-con., plain found., 65-67 Clinton St., for Clinton St. Garage, Inc., 247 Market St. $200,000. Noted Aug. 16.

N. J., Newark — STORAGE WAREHOUSE — W. O. Bartlett, archt., 738 Broad St., bids about Oct. 1, general contract 3 story, basement, brick, steel, plain found., North 5th St., for H. B. Salmon Co., 357 Grafton Ave. $150,000.

N. J., Orange — BUSINESS — Ramona Realty Co., c/o H. Baechlin, archt., 665 Broad St., Newark, taking bids general contract 2 story, basement, brick, steel, plain found., 273-77 Main St. $150,000.

Pa., Danville — TUBERCULOSIS COTTAGE — Sept. 11, by Danville State Hospital, 1 story, basement, 31 x 221 ft. tuberculosis cottage, 2 story, basement, 36 x 98 ft. female help building, brick, steel, plain found. F. A. Rianhard, Masonic Temple, Williamsport, archt.

Pa., Phila.—APARTMENT and GARAGE—J. Sidewater, Real Estate Trust Bldg., taking sub-bids 4 story, basement, 100 x 100 ft., rein.-con., brick, steel, plain found., 72nd St. and Theodore Ave. Harrison Borber, 1032 North 67th St., archts.

Pa., Phila. — THEATRE — Aug. 31, by Hoffman-Henon Co., archts., Finance Bldg., 1 story, balcony, basement, 121 x 243 ft., rein.-con., brick, steel, plain found., Frankford Ave. and Ovington Rd., for Mercantile & Theatre Properties Co., Inc., c/o J. Bernhard, 13th and Chestnut Sts.

Ga., Atlanta—OFFICE—Sept. 15, Pringle & Smith, archts., 1012 Norris Bldg., 20 story, basement, 2 story attic, 62 x 85 x 95 ft., brick, steel, rein.-con., Peachtree, Williams and Forsyth Sts., for Rhodes Hoverty Investment Co. $750,000.

La., Shreveport — AUDITORIUM—Sept. 27, by L. E. Thomas, mayor, 2 story, balcony, rein.-con., steel, brick, Grand Ave. and Renold St. $500,000. Jones, Roessle, Olschner & Weiner, Ardis Bldg. and S. Van Os., Merchants Bldg., associated archts. Noted Oct. 20.

O., Cincinnati—APARTMENT—Colonial Realty Co., 30 Commerce Bank Bldg., taking bids 3 story, basement, brick, apartment. $150,000. E. G. Hoefler, B. F. Keith Bldg., Cleveland, archt.

Mich., Ann Arbor—BANK and OFFICE—Pond & Pond, Martin & Lloyd, archts., 180 North Michigan Ave., Chicago, Ill., bids about Sept. 3, 10 story, basement, Main and Huron Sts., for Ann Arbor Savings Bank. $1,000,000. Noted June 28.

Ill., Chicago — APARTMENT — H. H. Schoenlank, 1526 Pratt Blvd., taking bids 6 story, basement, 50 x 197 ft. site, 517-19 Oakdale Ave. $475,000. M. L. Bein & Co., 64 West Randolph St., archts.

Mo., Carthage — HOSPITAL — Carthage Hospital Assn., S. McReynolds, pres., bids about Nov. 15, 3 story, basement, 45 x 150 ft., rein.-con., brick, stone. $150,000. Hoener, Baum & Froese, 3605 Laclede Ave., St. Louis, archts. Noted July 19.

Mo., St. Louis—STORE and LOFT—See "Contracts Awarded."

Calif., Los Angeles — STORE and OFFICE — Schulte-United, Inc., Chain Stores, 485 5th Ave., New York, taking bids 4 story, basement, 50 x 100 ft., rein.-con., brick, 529-31 South Bway. $150,000. Walker & Eisen, Western Pacific Bldg., archts.

Calif., Marysville — LODGE — Dean & Dean, archts., Calif. Life Bldg., Sacramento, taking bids and open same about Sept. 1, 2 story, 100 x 160 ft., rein.-con., brick, steel, plain found., for B.P.O.E. Lodge. $100,000.

Calif., Oroville—LODGE and SOCIAL—B.P.O.E. plans by Starks & Flanders, Forum Bldg., Sacramento, and takes bids about Sept. 1, 3 story, basement, 100 x 120 ft., rein.-con., brick, plain found. $150,000.

Calif., Sacramento—BANK—Sept. 5, by Bank of Italy, G. W. Peltier, vice-pres., 2 story, basement, 100 x 120 ft., rein.-con., steel addition, plain found., 8th and J Streets. $200,000. J. W. Minton, Bank of Italy Bldg., archt. Noted July 26.

Ont., Toronto—OFFICE—Sept. 1, by F. H. Wilkes, archts., 96 Bloor St. W., 17 story, basement, 98 x 220 ft., rein.-con., brick, steel, plain found., Bay and Adelaide Sts., for Canada Permanent Mortgage Corp., 14 Toronto St. $1,000,000. Mathers & Haldenby, 96 Bloor St. W., associated archts. Sproatt & Rolph, 1162 Bay St., consult. archts.

Contracts Awarded

Mass., Boston—STATION—New York, New Haven & Hartford R.R. Co., South Sta., rebuilding Back Bay Station, 3 story, steel, rein.-con., limestone, Dartmouth St., to Trednick-Billings Co., 10 High St. Est. $150,000 or more.

R. I., Woonsocket—CITY HALL—City, by Pub. Building Dept., 3 story, 75 x 100 ft., brick, stone addition, to R. Drouin, 372 Elm St. Est. $150,000. Noted Aug. 9.

Conn., Greenwich—THEATRE—Lincoln Theatrical Enterprises, Inc., S. Bratter, pres., 972 Broad St., general contract 1 story, basement, brick, steel, plain found., Boston Post Rd., to W. J. MacEvoy Constr. Co., 85 Academy St. Est. $750,000.

Conn., Stamford—COMMUNITY—Stamford Hebrew Institute, Inc., 137 Greyrock St., 3 story, basement, brick, stone, steel, Prospect St., to Genovese & Rich, Washington Bldg. Est. $150,000. Noted July 26.

N. Y., Brooklyn—APARTMENT—Macroy Realty Corp., R. J. MacCabe, pres., 51 Chambers St., New York, brick, steel, State and Bond Sts., separate contracts. $150,000. M. A. Cantor, 66 Court St., archts.

N. Y., Brooklyn—HOTEL—Clark-Henry Corp., 119 West 40th St., New York, 24 story, brick, steel, 101 Hicks St., to Bing & Bing, 119 West 40th St. Est. $2,000,000. Noted Apr. 5.

N. Y., New York—APARTMENTS—S. Ageloff, 26 Court St., Brooklyn, two 12 story, Indiana limestone and terra cotta, 125 x 194 ft. site, Avenue A between 3rd and 4th Sts., to Fredburn Constr. Corp., 7 East 44th St. Est. $2,500,000.

N. Y., New York — APARTMENTS — Shalex Realty Co., S. Shapiro, pres., 565 Tremont Ave., 6 story, 87 x 180 ft., 117 Bennett Ave., $550,000, and 6 story, 27 x 155 ft., 105 Bennett Ave., $450,000, both brick, timber, separate contracts. Noted Aug. 9.

N. Y., New York—HOTEL and STORE—Mathew Byrne Estate, 120 Bway., altering 12 story, 75 x 150 ft., brick, steel, 539 5th Ave., to J. Schlesinger, Inc., 110 West 40th St. Est. $500,000. Noted July 12.

N. Y., New York—LOFT and OFFICE—Spring Sixth Corp., 160 Varick St., 15 story, loft and office, Spring St. and 6th Ave., separate contracts. $500,000. V. Mayper, 15 East 40th St., New York, archt.

N. Y., New York — OFFICE — G. L. Ohrstrom, 44 Wall St., 30 story, brick, steel, Madison Ave., 47th and 48th Sts., to G. A. Fuller Co., 949 Bway. Est. $2,000,000. Contractor now taking bids on separate contracts.

N. Y., New York—STORE and OFFICE—Twenty-Five West 46th Street Corp., S. Stern, pres., 31 East 27th St., 15 story, brick, steel, 21 West 46th St., separate contracts. $600,000. W. C. Sommerfeld, 31 Union Sq., archt.

N. J., East Orange—APARTMENT and GARAGES—D. K. Constr. Co., 116 Market St., Newark, 4 story, 104 x 135 ft., brick, steel, plain found., 112 Lincoln St., separate contracts. $200,000. Warren & Warren, 31 Clinton St., Newark, archts. Noted Aug. 23.

N. J., Fort Lee — BORO HALL — Bd. Boro Council, Boro Hall, general contract 3 story, basement, 75 x 102 ft., brick, steel, Center and Main Sts., to F. W. Bogert, Fort Lee Rd., Bogota, $135,800. Noted Aug. 9.

N. J., Hackensack—APARTMENT—J. C. Person Constr. Co., Inc., 15 Park Row, New York, 4 story, basement, 75 x 100 ft., brick, steel, plain found., Prospect Ave. and Atlantic St., separate contracts. $150,000. Private plans.

N. J., Montclair—HOSPITAL—Montclair Community Hospital, 120 Harrison Ave., general contract 3 story, basement, 36 x 134 ft., brick, steel, plain found., to J. J. McNamara, 43 Walnut Crescent. Est. $300,000. Noted Aug. 9.

N. J., Newark—STORE and MERCANTILE—Forty-Three William St. Corp., c/o Roth & Schlenger, 29 William St., general contract 2 story, basement, 121 x 127 ft., brick, steel, rein.-con., plain found., 43 William St., to Standard Constr. Co., 972 Broad St. Est. $150,000.

N. J., Weehawken—BANK—J. T. Rowland, Jr., archt., 30 Journal Sq., Jersey City, general contract 2 story, basement, brick, steel, 4th St., to J. Mitchell, Inc., 24 Journal Sq., Jersey City, for Park Trust Co., 656 Park Ave. Est. $150,000. Noted Aug. 2.

N. C., Greensboro — STORE — United Cigar Stores, Greensboro, and 44 West 18th St., New York, 2 story, basement, 100 x 137 ft., limestone, marble, glass, copper, South Elm St., to W. Kiddie, Greensboro, $200,000.

La., Monroe—HOTEL—Harrison Building Co., c/o N. Kalil & Sons, 439 Desiard St., general contract 7 story, 40 x 120 ft., rein.-con., brick, steel, 5th and Desiard Sts., to J. H. Reddick, Kennedy Bldg., Fort Smith, Ark., $198,950. Noted July 12.

Tenn., Memphis — BANK — Federal Reserve Bank of St. Louis, Memphis Branch, W. H. Glasgow, managing dir., 2 story, basement, 80 x 100 ft., stone, 24,000 sq.ft. floor space, Jefferson Ave. and North 4th St., to H. J. Gilbertson Constr. Co., Graham Bldg., $275,000.

Ky., Louisville—WAREHOUSE—D. X. Murphey & Bro., archts., Louisville Trust Bldg., general contract 9 story, basement, 85 x 203 ft., rein.-con., brick, steel, to H. A. Doll Co., 1114 Lexington Rd., $116,000; steel contract, to McClintock Marshall Co., Chicago, $90,000, for H. Vogt Machine Co., 10th and Ormsby Sts. Noted Aug. 2.

O., Cleveland—APARTMENT—C. Bernstein, 810 Sweetland Bldg., 2 story, basement, 140 x 140 ft., brick, timber, South Moreland Blvd., to W. Dolin, Sweetland Bldg. Est. $150,000. Noted June 28.

O., Columbus—RETAIL STORE—Montgomery Ward & Co., Chicago Ave. and Larr St., Chicago, Ill., 3 story, 83 x 88 ft., concrete, terra cotta, to Boyajohn & Barr, Main and Front Sts. Est. $500,000. Noted June 26.

Ill., Chicago—APARTMENT—Syndicate, c/o E. A. Claar & Co., 1400 Lake Shore Dr., general contract 20 story, basement, 85 x 155 ft., to Amer. Building Constr. Co., Room 2212, 11 South La Salle St. Est. $3,000,000. Noted July 5.

Wis., Wautoma — COURT HOUSE — Waukesha Co., J. J. Johnson, clk., general contract 3 story, basement, 50 x 114 ft., to J. P. Cullen & Son, Janesville, $98,000.

Mo., Springfield — MEDICAL ARTS — Medical Arts Building Assn., H. S. Schneider, pres., 8 to 10 story, rein.-con., brick, Pershing and South Aves., to Gilsonite Contg. Co., Athletic Bldg., Dallas, Tex.

Mo., St. Louis — STORE and LOFT — Burdeau Realty Co., 801 Chestnut St., 2 story, basement, 75 x 109 ft., rein.-con., brick, terra cotta, 23rd and Pine Sts., separate contracts. W. S. Frank, 949 Century Bldg., archt.

Colo., Denver — SERVICE, WAREHOUSE, GARAGE—Shankland, Ristine & Co., consult. engrs., Boston Bldg., 2 story service building and warehouse, to F. H. Cowell, Central Savings Bank Bldg., garage, to Mead & Mount Constr. Co., 1st Natl. Bank Bldg., structural steel, to Mineapolis Steel & Mchy. Co., 1600 15th St., plumbing to Midwest Plumbing & Heating Co., 2055 Champa St., for Pub. Serv. Co. Est. $530,000.

Calif., Los Angeles — APARTMENT — Hope Street Associates, 6 story, basement, 50 x 185 ft., rein.-con., to G. G. Stuart, 5119 Avalon Blvd., $200,000. Noted July 19.

Calif., Los Angeles—STUDIO STAGE—Fox Film Corp., 10099 Fox Hills Dr., 80 x 215 ft., rein.-con., Fox Hills Dr., to G. E. Miller, 1401 North Western Ave., $150,000.

Calif., Olive View — HOSPITAL — Los Angeles Co. (Los Angeles) rein.-con. tubercular hospital, to P. J. McDonald Co., 1800 Industrial St., Los Angeles, $187,452. Noted June 14.

Calif., San Francisco—APARTMENT—Nine-Hundred Forty-Four Chestnut St., Inc., c/o C. Werner, archt., Phelan Bldg., 12 story, basement, Chestnut St. near Larkin Ave., day labor and segregated contracts. $350,000 or more.

Ont., Toronto—HOTEL—Canadian Pacific Ry., Windsor Sta., Montreal, Que., general contract 17 story, basement, 136 room, rein.-con., brick, steel, stone addition, plain found., Front St., to Anglin-Norcross, Temple Bldg. Est. $1,000,000.

Buildings—Industrial

Proposed Work

N. Y., New York—ELECTRIC POWER PLANT—New York Edison Co., J. W. Lieb, vice-pres., 130 East 15th St., extending electrical galleries and turbine rooms, 701 East 14th St. $1,850,000. T. E. Murray, 55 Duane St., engr.

N. Y., New York—FACTORY, LOFT and RESTAURANT—J. R. Thompson, Co., Inc., 350 North Clark St., Chicago, Ill., plans by Garrett & Couchois, 29 West 34th St., altering 7 story, 27 x 84 ft., brick, timber, 414 Bway. $50,000.

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Buildings—Industrial (Continued)

N. Y., New York — FACTORY, LOFT, STORE, etc.—Trinity Corp., 52 Wall St., plans by V. Mayper, 15 East 40th St., 15 story, 100 x 125 ft., brick, 234 Spring St. $800,000.

N. Y., New York—LOFT and STORAGE —Mosaic Tile Co., R. Harrold, pres., 327 West 42nd St., plans by F. S. Parker, 119 West 57th St., 8 story, brick, steel, 643 West 41st St. $100,000.

N. Y., New York—MANUFACTURING, LOFT and STOREROOM—Bertgun Holding Corp., 493 East 173rd St., J. Klein, pres., plans by B. H. Whinston, 6 East 46th St., 14 story, 50 x 98 ft., brick, steel, 353 West 37th St. $350,000.

N. J., Hammontown—REFRIGERATION and COLD STORAGE PLANT — New Jersey Canners Corp., c/o Edwards & Green, archts., 548 Federal St., Camden, 2 story, basement, 100 x 450 ft., brick, steel, plain found., $100,000.

N. J., Jersey City—BAKERY—Vietmeyer Bros., Inc., 175 Sherman Ave., sketches by W. Neuman, 40 Journal Sq., 2 story, basement, brick, steel addition, plain found. $50,000.

N. J., Union—ICE PLANT—Central Atlantic Ice Co., Park Ave., Summit, 1 story, brick, steel, plain found., Grandview Ave. $80,000. Private plans.

D. C., Wash.—PLANT—Joseph Phillip Sausage Co., 10 Wholesale Row, sketches by Henschien & McLearen, 637 Prairie Ave., Chicago, Ill. meat plant, Patterson Tract N.E. $200,000.

Fla., Jacksonville—PLANT—Wilson & Toomer Fertilizer Co., B. W. Haynes, pres., 260 x 520 ft. plant addition. $75,000.

O., Cleveland—FACTORY and OFFICE—Euclid-East 65th Co., c/o I. W. Shenker, secy.-treas., Engineers Bldg., plans by Braverman & Havermalt, Ulmer Bldg., 4 story, basement, 68 x 100 ft., rein.-con., brick, steel, East 65th St. and Euclid Ave. $80,000. McNally-Doyle Co., East 65th St. and Euclid Ave., lessee. Noted June 28.

Mich., Pleasant Ridge (Royal Oak P. O.) —BAKERY—Boettger Baking Co., 1 story, part basement, 90 x 240 ft., rein.-con., brick, steel, plain found. $75,000. W. E. Long Co., 155 North Clark St., Chicago, Ill., engrs.

Ill., Chicago — FACTORY — Francisco & Jacobus, archts., 511 5th Ave., New York, bids latter part September, general contract brick addition, 900 Ogden Ave., for Container Corp. of America, W. Peapeck, pres., 111 West Washington Ave. $1,000,000.

Tex., San Antonio—CEMENT PLANT—Republic Portland Cement Co., J. H. Smith, pres., plans cement plant, 1,000,000 bbl. per year, $2,500,000. T. Bartlett, Calcasieu Bl., San Antonio, engr. R. K. Meade, 10 West Chase St., Baltimore, Md., consult. engr. Kilns, mills and coolers, awarded to Allis-Chalmers Co., West Allis, Wis., and electrcial equipment, to General Electric Co., Schenectady, N. Y.

Wash., Bellingham—STORAGE PLANT —Richfield Oil Co. of California, Matson Bldg., San Francisco, Calif., storage plant with 20,000 gal. tanks, in Squalicum Creek Basin. $100,000.

N. S., Halifax—PAPER MILL—Mersey Paper Co. Ltd., C. H. L. Jones, pres., paper mill on Mersey River in Queens Co. $5,000,000.

Que., St. Johns — FACTORY — Windsor Canning Co. canning factory. $75,000.

Ont., Oshawa—GARAGE—C. B. Dolphin, archt., Leader Lane, soon take bids 3 story, basement, brick, tile, King St. $90,000.

Ont., Toronto—PAPERBOARD MILL—Hinde & Dauche Paper Co. of Canada, 43 Hanna St., 1 and 2 story, basement, rein.-con., brick, steel addition, plain found., Hanna St. $500,000. R. Cook, 43 Hanna St., engr.

Bids Desired

Mass., Salem—FACTORY—Sept. 5, Park Leather Co., c/o W. H. Hunt & Son, archts., 208 Essex St., 2 story, brick, timber, plain found., 55 Grove St.

Conn., Stamford—GARAGE, SHOWROOM and SERVICE STATION—F. Urso, archt., 432 Main St., taking bids 1 story, 115 x 140 ft., brick, steel, concrete, Luther St., for A. Spelke, 480 Main St. $70,000.

N. Y., Amenia—POWER HOUSE, etc.—Oct. 11, by Commissioner Mental Hygiene, Capitol Albany, power house, tunnels, and refrigeration work for cold storage plant at Wassaic State Hospital. Noted July 12.

N. Y., New York—FACTORY and LOFT —G. A. Boehm, archt., 2 West 45th St., bids about Sept. 10, general contract 6 story, 17 Laight and 58 Varick Sts., for C. T. Kissel, 11 Pine St. $75,000.

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N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., Queens (Ind. br. Jamaica) — BAKERY — H. Holder, archt., 242 Franklin Ave., Brooklyn, taking bids general contract 1 and 2 story, 200 x 260 ft., brick, steel, rein.-con., plain found., 99th Ave. and 222nd St., for Duggan Bros., 208 South 5th St., Brooklyn. $300,000.

N. J., Bergenfield—BAKERY—Forester Bakers, Inc., 207 North Washington St., bids about Oct. 1, general contract revised plans 3 story, basement, 100 x 270 ft., brick, steel, plain found., South Washington St. and Rutland Ave. $150,000. McCormack Co., Inc., 41 Park Row, New York, archt. Noted Aug. 23.

N. J., East Orange—WORK SHOP and OFFICE—See "Contacts Awarded."

Ind., Indianapolis—LAUNDRY and OFFICE—Fame Laundry Co., 27 North Capitol St., taking bids and opens same about Sept. 1, 4 story, basement, 90 x 205 ft., rein.-con., brick, steel, 14th and Illinois Sts. $200,000. G. D. Mogle, 5860 Guilford Ave., archt.

Mich., Ferndale (br. Detroit)—FACTORY —Steel & Tubes Inc., 224 East 131st St., Cleveland, O., and Sessions Eng. Co., engrs., 228 North LaSalle St., Chicago, Ill., taking bids 1 story, 210 x 500 ft., brick, steel factory. $250,000. Noted Aug. 16.

Wis., Milwaukee — ABATTOIR — P. Marziller, archt., 144 East Wells St., taking bids 2 story, basement, 50 x 90 ft., rein.-con., brick, plain found., Muskego Ave., for P. Zetron & A. Taskow Packing Co., Milwaukee. $50,000.

Kan., Arkansas City—REFINERY—See "Contracts Awarded."

Ore., Grants Pass—GARAGE, SHOP and STORAGE—See "Contracts Awarded."

Calif., Richvale—PAPER FACTORY—Sept. 10, by Pacific Paper Products Co., rein.-con., main buildings, power plant, plain founds. $1,000,000. A. Lofgren, Richvale, engr.

Contracts Awarded

Mass., Mattapan (Sta. Boston)—FACTORY—Thompson Wire Co., Mildred Ave., 1 story, 55 x 125 ft., brick addition, plain found., to Clark & Smith, Inc., 13 Temple St., Quincy, Mass. Est. $40,000.

N. Y., Buffalo—FACTORY—Ontario Biscuit Co., 273 Oak St., 4 story, 80 x 96 ft., rein.-con., brick, 20 Watson St., to Hydro Constr. Co., Mutual Bldg., $90,000.

N. Y., New York—SERVICE GARAGE —Bernson Constr. Co., R. Bernson, pres., 1306 Jerome Ave., 4 story, 75 x 98 ft., brick, steel, concrete, 329 East 22nd St., separate contracts. $60,000. W. Shary, 41 Union Sq., archt.

N. Y., Troy — ABRASIVE PLANT — Behr-Manning Corp., 1 story, 65 x 170 ft. machine shop, 1 story, 100 x 150 ft. storehouse, 4 story, 78 x 260 ft. manufacturing building, 5 story, 60 x 60 ft. grading building, power plant, coal pocket, all rein.-con., brick, steel, to M. C. Tuttle Co., 31 St. James Ave., Boston, Mass. Est. $350,000.

N. J., Bayonne — BOLT FACTORY — Bayonne Bolt Corp., Trash Ave. and 2nd St., Bayonne, general contract 1 story, 50 x 287 ft., rein.-con., brick, steel, plain found., Trash Ave. and 2nd St., to Bergen Point Iron Wks., foot West 5th St. Est. $40,000.

N. J., East Orange—WORK SHOP and OFFICE—Scher & Alhert, Inc., 9 Clinton St., Newark, 2 story, basement, 60 x 110 ft., brick, steel, plain found., separate contracts. $65,000. F. G. Hasselman, 34 Prospect St., archt. Noted Aug. 16.

N. J., Kearny (sta. Arlington)—FACTORY—Western Electric Co., Inc., 195 Bway., New York, general contract 2 story, basement, rein.-con., brick, steel, plain found., to Austin Co., 120 Bway., New York. Est. $75,000.

N. J., Lodi (Ind. br. Hackensack)—DYE PLANT—United Piece Dye Wks., Nicholson St., general contract 1 story, basement, 106 x 202 ft., brick, steel addition, plain found., Main and Church Sts., to F. L. Dillon Constr. Co., 75 Church St. Est. $75,000.

S. C., Spartanburg—PLANT—Standard Looms, Inc., 519 East Main St., I. Andrews, pres., new plant for textile weaving machinery to Fiske-Carter Constr. Co., Masonic Temple Bldg., Greenville. Est. $145,000. Noted May 3.

Fla., St. Petersburg—COLD STORAGE WAREHOUSE—E. B. Hadley, archt., St. Petersburg, cold storage warehouse, to J. P. Jones, $250,000.

Fla., Tampa—FACTORY and OFFICE—Perry Paint & Glass Co., East Lafayette Sts., 5 story, near Washington St. Viaduct, to Logan Bros., 706 Franklin St., $65,800.

Ind., South Bend — FACTORY — Studebaker Corp., general contract 2 story, 240 x 432 ft., rein.-con., brick, steel, Franklin and Sample Sts., to H. G. Christman, 306 Notre Dame St. Est. $100,000.

Mich., Detroit—FACTORY—Park Davis Co., McDougal Ave., (1st unit) 6 story, basement, 200 x 200 ft., rein.-con., brick, plain found., to Otto Misch Co., 159 East Columbia St. Est. $600,000. Noted Aug. 9.

Mich., Flint—AUTO ASSEMBLY PLANT —Chevrolet Motor Car Co., 2 story, 200 x 240 ft., and 50 x 170 ft., rein.-con., brick, steel, plain found., to H. G. Christman Co., Porter Bldg., Lansing.

Mich., Highland Park (br. Detroit)—FACTORY—Chrysler Motor Car Co., Massachusetts Ave., 1 story, 80 x 540 ft., rein.-con., brick, top addition, Oakland Ave., to R. H. Hidey, General Motors Bldg., Detroit. Est. $100,000.

Ill., Chicago—AUTO SERVICE STATION —R. B. Kurzon, archt., 105 West Monroe St., masonry, concrete and carpentry contract 2 story, part basement, 140 x 180 ft., to L. Padorr Co., 155 North Clark St. Est. $353,000. Noted July 12.

Ill., Chicago—GASKET PLANT—Victor Mfg. & Gasket Co., 5750 West Roosevelt Rd., general contract 4 story, 100 x 160 ft., rein.-con., brick top addition, Fillmore and Menard Aves., to Schmidt Bros. Constr. Co., 22 East Huron St. Est. $150,000. This corrects report in Aug. 23 issue.

Wis., Racine—FACTORY—Belle City Malleable Iron Co., Kewaunee St., masonry contract 1 story, 77 x 96 ft., brick addition, to Nelson Constr. Co., Racine.

Wis., Wauwatosa—FACTORY—A. Leitz Co., 61st and State Sts., masonry contract 3 story, 70 x 100 ft. addition, 61st and State Sts., to P. Riesens Sons, 1018 Humboldt Ave., Milwaukee; carpentry, to B. Bergmann, 477 Wisconsin Ave.; roofing, to Universal Roofing Co., 3009 North Ave.

Kan., Arkansas City — REFINERY — Roxana Refinery, 2 additional units, day labor. $500,000. Private plans.

Kan., Coffeyville—MILK CONDENSERY —Page Milk Co., R. B. Page, pres., Merrill, Wis., 2 story, basement, rein.-con., brick, West 8th St., to Universal Constr. Co., Coffeyville. Est. $100,000.

Mo., Slater — GARMENT FACTORY — Rice Stix Dry Goods Co., 1000 Washington Ave., St. Louis and Slater Chamber of Commerce, c/o Secretary, 2 story, basement, 93 x 150 ft., rein.-con., brick to P. Stemmons, Booneville $55,000.

Tex., San Antonio—CEMENT PLANT—See "Proposed Work."

Tex., San Benito—PACKING PLANT—Texas Citrus Fruit Growers Exch., J. Shary, pres., Mission, 3 story, brick, steel packing plant, to W. F. Chambers, San Benito, $50,000. Noted Aug. 23.

Ore., Grants Pass—GARAGE, SHOP and STORAGE—C. A. Winetrout, 2 story, basement, 100 x 100 ft., rein.-con., plain found., 5th and H Sts., day labor. $40,000. Private plans.

Calif., Los Angeles—OIL REFINERY—Swift & Co., 916 East 1st St., 4 story, part 2 story, 114 x 212 ft., rein.-con., brick, steel, Vernon Ave. and 39th St., to Richards-Newstadt Constr. Co., 117 West 9th St. $130,000.

Calif., Orange — COTTON MILL — California Cordage Co., 1 story, 60 x 130 ft., brick, steel addition, 207 North Cypress St., to Moran Co., 740 South Bway., $75,000.

Calif., Richvale — PULP and PAPER MILL—Pacific Coast Pulp & Paper Co., group 1, 2 and 3 story, concrete, steel buildings, to T. B. Hunt, 1510 30th St., Sacramento, $1,000,000. Noted Aug. 2.

Calif., Sacramento — FACTORY and WAREHOUSE—Zellerbach Paper Co., 1213 Front St., 4 story, basement, 50 x 125 ft., to Campbell Constr. Co., 800 R. St. $125,000. Noted Aug. 2.

Ont., Oakville—FACTORY—E. Bamber, Kerr St., general contract 1 story, 60 x 300 ft., concrete, brick, steel, plain found., to W. W. King, Oakville, for General Metal Devices, Oshawa. Est. $75,000. Noted Aug. 9.

Buildings—Educational, Religious

Proposed Work

Mass., Everett (br. Boston)—SCHOOL—City, D. R. W. Murdock, chn., plans by McLaughlin & Burr, 88 Tremont St., Boston, 2 story, basement, 105 x 120 ft., brick, stone, plain found., Shute St. $150,000. Noted Aug. 23.

Mass., Medford—SCHOOL—City, P. G. Ferguson, chn. Building Com., sketches by W. Atherton & C. Tiffany, archts., 148 State St., Boston, 2 story, basement, brick, plain found., Hicks Ave. $150,000.

Mass., Winchester—CHURCH and PARISH HOUSE — G. S. Newton, archt., 6 Beacon St., Boston, rejected bids 2 story

Buildings—Educational, Religious (Cont.)

basement, 110 x 170 ft., brick, granite, plain found., Washington and Mt. Vernon Sts., for First Baptist Church, B. F. Brown, Building Com. $150,000 or more. Will re-advertise. Noted Aug. 9.

Mass., Worcester—CHURCH—Tatnuck Congregational Church, J. T. Carter, pastor, sketches by Peare & Dorman, 6 Beacon St., Boston, 1 story, basement, brick, stone, Pleasant and Willard Sts. $150,000. Noted Aug. 23.

N. Y., New York — GYMNASIUM, CHURCH, SCHOOL and LAUNDRY—Vinross Realties, Inc., M. H. Rothchild, pres., 101 Park Ave., plans by R. Candela, 578 Madison Ave., 16 story, brick, steel, 3 West 95th St. $2,000,000.

N. Y., New York—SCHOOLS—Bd. Educ., 500 Park Ave., plans by W. G. Martin, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 77, 59 x 107 ft., 172nd St. and Ward Ave. $270,000.

N. Y., New York—SEMINARY—Jewish Theological Seminary of America, C. Adler, pres., 543 West 122nd St., plans by S. F. Ross, 101 Park Ave., 6 story, 185 x 191 ft., brick, steel, 537 West 122nd St. $1,200,000.

N. J., Neptune City (mail Avon by the Sea) — SCHOOL — Bd. Educ., High School Bldg., rejected bids Aug. 14, 2 story, basement, brick, steel, plain found., Green Grove Rd. $300,000. Noted May 17.

N. J., Newark — CHURCH — Franklin Memorial Church, 17 Franklin St., plans by F. Y. Parsons, 949 Bway., New York, and takes bids in October general contract 2 story, basement, brick, steel, plain found., Maple and Kier Aves. $150,000. Noted June 21.

N. J., Newark — SCHOOL — Bd. Educ., City Hall, Broad and Green Sts., sketches by Simpson & Rolston, Inc., 45 Walnut St., 1 story, basement, brick, steel, plain found., Boylan St. and South Orange Ave. $187,000.

N. J., New Brunswick—SCHOOL—Bd. Educ., Livingston Ave., sketches by A. Merchant, 52 Paterson St., 2 story, basement, brick, steel, plain found., 52-56 Bartlett St. $150,000.

N. J., North Arlington (mail Arlington) —SCHOOL—Bd. Educ., Ridge Rd., 2 story, basement, brick, steel, plain found., Argyle Track. $150,000.

N. J., West Orange — SCHOOL — Bd. Educ., Northfield Rd., 2 story, basement, brick, steel, plain found., St. Cloud Sect. $150,000. Engineer and architect not selected.

Pa., Phila.—SCHOOL—Gleason & Mulrooney, archts., 250 South Broad St., soon let contract 3 story, basement, 63 x 155 ft., rein.-con., steel, stone, plain found., Shalmire and Caster Sts., for Resurrection of Lord Parish, J. M. Crossman, pastor.

Md., Baltimore—CHURCH—Second Presbyterian Church, R. G. Leetch, pastor, 2522 North Charles St., plans by Palmer & Lamdin, 513 North Charles St., 1 story, basement, brick, in Guilford. $150,000.

Md., Baltimore—HIGH SCHOOL—Mayor and City Council plans by W. E. Emmart, Union Trust Bldg., 3 story, brick, Shaffer, Carter and Sefton Aves. $500,000.

D. C., Wash.—CHURCH and SUNDAY SCHOOL—Lutheran Church of Atonement soon takes bids church and sunday school, North Capitol and Rhode Island Ave. Ritcher & Eiler, 147 North 5th St., Reading, Pa., archts. Noted May 3.

Ill., Chicago—HOSPITAL—University of Chicago, 189 West Madison St., sketches by Coolidge & Hodgdon, 134 South La Salle St., hospital, on campus and 59th St. $600,000.

Ill., Chicago — PLANETARIUM — South Park Comrs., 5700 Cottage Grove Ave., plans by E. A. Grunsfeld, Jr., Tribune Bldg., 435 North Michigan Ave., concrete, steel, on river front in Grant Park. $500,000. Noted July 5.

Tex., San Antonio—LIBRARY—City, c/o C. M. Chambers, mayor City Hall, sketches by H. S. Green, Alamo Bank Bldg., altering and constructing 2 story, basement addition. $250,000. Noted June 7.

Tex., Waco—HIGH SCHOOL—Bd. Educ. plans by T. B. Pearson, 501 1st State Bank Bldg., fireproof high school. $300,000.

Calif., Los Angeles—HIGH SCHOOL—School Dist. plans by Architectural Dpt. Bd. Educ., 2 story, on Audubon Junior High School site, $300,000; plans by Hunt & Burns, Laughlin Bldg., Robt. Louis Stevenson School, part 1 and 2 story, brick, Indian St., $150,000.

Calif., San Diego—HIGH SCHOOL—Sweetwater Union High School Dist. plans by T. C. Kistner & Co., Architects Bldg., Los Angeles, Junior High School, brick or concrete, $160,000.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co. plans by S. Heiman, 57 Post St., Junior High School addition, incl. 8 class rooms, 2 gymnasiums, 6 machine shops, music room, Bay, Francisco, Powell and Stockton Sts. $400,000.

Ont., Swansea — SCHOOL — School Bd. plans by J. Thompson, 65 Victoria St., Toronto, 2 story, basement, concrete, brick,

Bids Desired

N. H., Concord — SCHOOL — Sept. 7, City, H. F. Lake, and Wells & Hudson, archts., Hanover, 2 story, basement, brick, stone, plain found., South St. $150,000. Noted June 14.

Mass., Everett—SCHOOLS—Sept. 5, by City, D. R. W. Murdock, chn. School Building Com., and McLaughlin & Burr, archts., 88 Tremont St., Boston, 2 story, basement, 105 x 120 ft., brick, plain found., Shute St., $150,000; by City, D. R. W. Murdock, chn. School Building Com. and W. W. Drummey, Inc., archts., 80 Boylston St., Boston, 2 story, basement, 140 x 160 ft., brick, stone, plain found., Nichols St., $160,000. R. D. Kimball Co., 6 Beacon St., Boston, engrs.

Mass., Longmeadow—SCHOOL—Sept. 7, by Town, H. Dudley, 73 Colton Pl., and M. B. Harding, archt., 6 Main St., Westfield, 2 story, basement, 130 x 135 ft., brick, plain found., Longmeadow St. $150,000 or more.

Mass., Milton — SCHOOL — Sept. 11, by Town, Superintendent Schools, 2 story, basement, 15 room, brick, steel, Edgehill Rd. $200,000. Shepard & Stearns, 65 Franklin St., Boston, archts.

Mass., Quincy (Ind. br. Boston) — SCHOOL—City, F. E. Tupper, comr., taking bids 2 story, basement, 105 x 155 ft., brick, stone, granite, plain found., Pelican Rd., Adams Shore Dist. $150,000. W. Chapman, 15 Ashburton Pl., Boston, archt. Noted Jan. 19.

Conn., Branford —HIGH SCHOOL—Sept. 1, by Town, School Bd., 2 story, basement, 57 x 170 ft., and 57 x 58 ft., brick, steel school. Est. $240,000. R. W. Foote, 185 Church St., New Haven, archt. Noted Aug. 9.

N. Y., Brooklyn —LAW SCHOOL — St. Johns College, 75 Lewis Ave., bids about Sept. 1, general contract 12 story, basement, 90 x 100 ft., brick, steel, plain found., Schermerhorn and Livingston Sts. $1,000,000. J. F. Cook, 9 Clinton St., Newark, archt. Noted Mar. 29.

N. Y., Buffalo—NURSES HOME—Sept. 12, by Dpt. Mental Hygiene, Capitol, Albany, nurses home at Buffalo State Hospital. Noted May 24.

N. Y., Hempstead—SCHOOL—Bd. Educ. taking bids Ludlow School, 2 story, basement, brick, steel, plain found., William St. and Jerusaleum Ave. $150,000. E. Sibley, Bluff Rd., Palisade, N. J., archt. Noted Aug. 9.

N. Y., Ogdensburg—NURSES HOME—Oct. 3, by Dpt. Mental Hygiene, Albany, nurses home at St. Lawrence State Hospital.

N. Y., Syracuse—DORMITORIES—Oct. 10, by Commissioner Mental Hygiene, Capitol, Albany, farm dormitories at Syracuse State School, Fairmount. Noted July 12.

N. Y., Winfield (mail Woodside) — SCHOOL — Sept. 5, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 12, 72nd St. from 43rd to Woodside Aves., for Bd. Educ., 500 Park Ave., New York. Noted May 24.

N. J., Hillside (br. Elizabeth)—SCHOOL —Bd. Educ., W. Reider, chn., Twp. Hall, bids about Oct. 1, 2 story, basement, 60 x 200 ft., brick, steel, plain found., Hillside Ave. $200,000. J. Wind, Jr., 1426 North Broad St., archt. Noted June 28.

N. J., Morristown—SCHOOL—Sept. 12, by Bd. Educ., High School, 50 Early St., general contract 2 story, basement, rein.-con., brick, steel, plain found., Hazel and Liberty Sts. $150,000. C. Voorhees, Schuyler Pl., archt.

N. J., Teaneck (mail West Englewood) —SCHOOL and AUDITORIUM—De Pace & Juster, archts., 151 West 45th St., New York, bids about Oct. 1, general contract 2 story, basement, brick, steel, plain found., Teaneck Rd., for St. Anastiasia Roman Catholic Church, B. J. O'Neil, pastor, Robinson St. $150,000. Noted July 9.

Md., Baltimore —CHURCH and PARSONAGE—Sept. 10, by Frohman, Robb & Little, archts., 16 Jackson Pl., Wash., D. C., and 140 Boylston St., Boston, Mass., 1 story, basement, 57 x 120 ft., stone, 33rd St. and Alameda Blvd., for Church of Our Savior English Lutheran Church, A. Strenke, pastor. $150,000.

D. C., Wash.—HIGH SCHOOL—Sept. 6, by Dist. Comrs., District Bldg., constructing E. A. Paul, Jr. High School. Noted June 28.

Va., Charlottesville—DORMITORIES and ACADEMIC—Sept. 4, by University of Virginia, 1 academic building, and 8 dormitories. $700,000.

Mich., Detroit—CHURCH—Van Leyen, Schilling & Keough, archts., 3440 Cass Ave., taking bids and open same about Sept. 6, 2 story, basement, 63 x 181 ft., concrete, brick, steel, plain found., Dexter Blvd., for St. Gregory's Church, 6202 Hamilton Ave. $200,000. Noted July 5.

Mich., Detroit—SCHOOL—Sept. 5, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story, basement, rein.-con., brick, steel, plain found., Adeline Ave. $175,000.

Ill., Chicago—CHURCH—Meyer & Cook, archts., 820 Tower Court, bids about Sept. 5, 75 x 170 ft., church, 90 ft. high, brick, Bedford stone, in suburb. $300,000.

Ill., Chicago—NURSES HOME—Sept. 5, by City, City Hall, 5 story, 95 x 200 ft., nurses home, West 31st St. and South California Ave. R. W. Wolfe, comr. Bd. P. Wks. Noted July 12.

Wis., Stevens Point — SCHOOL — Sept. 14, by State Bd. Normal School Regents, E. G. Doudna, secy., Madison, 3 story, basement, 50 x 150 ft., brick, State Teachers College. A. Peabody, Madison, school archt.

Ia., Crowville — HIGH SCHOOL — Sept. 11, by J. L. McDuff, supt. Franklin Parish School Bd., Winsboro, 2 story, rein.-con., brick, stone, rein.-con. found. $150,000. J. W. Baker, Crowville, archt.

Mo., St. Louis—SCHOOL—Sept. 5, by Bd. Educ., 506 Bd. Educ. Bldg., 3 story, 87 x 226 ft., rein.-con., brick, stone, Vandeventer Ave. between Shaw and Russell Aves. $335,000. R. M. Milligan, c/o owner, archt.

Tex., Houston—CHURCH and EDUCATIONAL—Sept. 6, by St. Pauls Methodist Church, W. W. Fondren, chn. building con., 3410 Montrose Blvd., 1 story, 81 x 179 ft. church, 3 story, 88 x 129 ft. Sunday school, rein.-con., brick, steel, rein.-con. found., Main Blvd. $500,000. A. C. Finn, 505 Bankers Mortgage Bldg., archt. Noted Mar. 22.

Tex., San Antonio — ORPHANAGE — Catholic Diocese, c/o L. M. J. Dielmann, archt., 306 East Commerce St., competitive bids about Sept. 1, 3 story, 60 x 90 ft., rein.-con., brick, plain found., Concepcion Rd. $150,000.

Calif., Berkeley—SCIENCE—Regents of University taking bids and open same about Sept. 12, 5 story life science building, rein.-con., for University of California. $2,000,000. G. W. Kelham, 315 Montgomery St., San Francisco, archt. Noted Mar. 22.

Calif., Los Angeles—SYNAGOGUE and SCHOOL—A. A. Weitzman, archt., Hibernian Bldg., taking bids concrete, brick, steel, 85 x 125 ft., Centennial St., for Beth Israel Congregation. Noted Aug. 2.

Calif., Whittier — INSTITUTION — Sept. 12, by G. B. McDougall, state archt., P. Wks. Bldg., Sacramento, hospital and administration buildings, 2 cottages for boys, all rein.-con., plain founds., State Industrial School. $161,025.

Ont., Windsor—HIGH SCHOOL—Bd. Educ., P. P. McCallum, chn., 1460 Dougal Ave., plans by Cameron & Ralston, Bartlett Bldg., and takes bids about Sept. 1, 2 story, basement, brick, steel, incl. 20 class rooms, Tecumseh Rd. $500,000.

B. C., Point Grey—HIGH SCHOOL—Sept. 4, by Townley & Matheson, archts., 325 Homer St., Junior High School, 3 story, basement, rein.-con., stucco, plain found., incl. 36 rooms, shops, gymnasium, cafeteria, 37th Ave. Maple St., for Bd. School Trustees. $425,000.

Contracts Awarded

Vt., Bennington—SCHOOL and AUDITORIUM—Sacred Heart Parish, J. A. Campean, pastor, 2 story, basement, 90 x 120 ft., brick, steel, to F. S. Brennan, 40 Court St., Boston, Mass. Est. $150,000. Noted Aug. 9.

Massachusetts — EMPLOYEE and NURSES HOME—Dpt. Pub. Health, State House, Boston, women employees building at State Sanatorium, Rutland, to Z. A. Houle, Central Blk., Lowell, nurses home at Lakeville, to T. A. Cassidy, 54 Boylston St., Fitchburg, for Commonwealth of Massachusetts. Est. about $150,000. Noted July 26.

Mass., Belchertown — SCHOOL, DORMITORY, etc. — Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, general contract school and gymnasium also girls' dormitory; to Bond Bros., 79 Ferry St., Everett, $59,800 and $68,165 respectively; employees cottage, to J. G. Roy & Sons, 21 Silver St., Springfield, $29,968. Noted Aug. 9.

Mass., Fitchburg—CHURCH and PARISH HOUSE—Christ Church, A. V. Bennett, pastor, rein.-con., stone, to W. J. Handley Co., Fitchburg, $145,000. Noted July 26.

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Buildings—Educational, Religious (Cont.)

N. Y., Buffalo — CHURCH — Dietel & Wade, archts., Genesee Bldg., 3 story, 50 x 180 ft. church, Delaware Ave., to W. H. Dill, 211 Fougeron St., for Temple Beth Zion, 599 Delaware Ave. Est. $175,000.

N. J., Belleville (br. Newark)—SCHOOL—Bd. Educ., Washington Ave. and Holmes St., general contract 2 story, basement, brick, steel, plain found., Franklin and Belleville Aves., to L. D. Kilgus, 11 Coes Pl., Newark, $144,375. Noted Aug. 16.

N. J., Newark—SCHOOL—Bd. Educ., A. Berham, in charge, City Hall, general contract 3 story, basement, 145 x 182 ft., brick, steel, plain found., to A. Grasso, 508 North 7th St., $279,440.

N. J., Palisades Park — SCHOOL — Bd. Educ., School Central Blvd., general contract 2 story, basement, brick, steel, to Reliable Constr. & Eng. Co., 604 Anderson Ave., Grantwood, $222,126. Noted Aug. 2.

Md., Baltimore—CHURCH, SUNDAY SCHOOL and PARSONAGE—Grace Evangelican Lutheran Church, C. G. Wolf, pastor, 5202 Harford Rd., stone, Batavia and Harford Aves., to Adam Krat, 118 South Carrollton Ave., $150,000.

O., Hamilton — SCHOOLS — Bd. Educ., three 2 story, basement, brick, rein.-con., plain founds., to A. Benzing & Sons, Hamilton, $272,700. Noted Nov. 24, 1927.

Ind., Indianapolis—CHURCH—Y. W. C. A., Walnut and West Sts., general contract Phyllis Wheatley Building, 3 story, basement, 112 x 120 x 124 ft., rein.-con., brick, steel, Walnut and West Sts., to Economy Constr. Co., 719 Meyer-Kiser Bldg. Est. $160,000. Noted June 21.

Kan., Pittsburg—SCHOOL—Bd. Educ., c/o T. Werme, secy., general contract 5 story, basement, 100 x 170 ft., brick, rein.-con., to Messenger & Dalton, 822 East 4th St., $100,888. Noted Aug. 2.

Tex., Houston—HIGH SCHOOL—Houston Ind. School Dist., H. L. Mills, mgr., 1600 Washington Ave., general contract 1 and 3 story, concrete, stone, brick, hollow tile addition, Dean, Merrill and Pineridge Sts., to E. G. Maclay, 1026 Post Dispatch Bldg., $112,210.

Calif., Beverly Hills—SCHOOL—Beverly Hills Bd. Educ., 2 story, 180 x 190 ft., rein.-con., timber, Hawthorne School site, to J. S. Metzer & Son, 332 West Jefferson St., Los Angeles, $188,324. Noted Aug. 9.

Calif., Carpinteria — SCHOOL — School of Santa Barbara, 3 rein.-con. and frame buildings, to Wurster Constr. Co., National City Bank Bldg., Los Angeles, $250,000.

Calif., Los Angeles — CHURCH — First Methodist Episcopal Church, 2 story, rein.-con., Franklin and Highland Aves., to J. Clyde Bannister, 6331 Hollywood Blvd., $230,000.

Ont., Welland—SCHOOL—High School Bd., general contract 3 story, basement, rein.-con., brick, steel, plain found., to R. Timms, $126,877; plumbing and heating, to J. H. Crow, Welland, $29,905.

Federal Government Work

Proposed Work

N. Y., New York — DREDGING and ROCK REMOVAL—U. S. Engineer Office, 1st Dist., Army Bldg., in East River.

Pa., Phila.—BREAKWATER—U. S. Engineer Office, 4,000 ft. breakwater at Artificial Island.

Pa., Phila.—DREDGING—U. S. Engineer Office at Port Richmond.

Pa., Pittsburgh—LOCK GATES—U. S. Engineer Office, lock gates at Deadmans Island Lock, Ohio River.

D. C., Wash.—COOLING POND—Supply Div. Bureau Standards, plans by W. I. Deming, 808 17th St. N. W., cooling pond, Conn. Ave. and Pierce Mill Rd. N. W.

Virginia and North Carolina—DREDGING—U. S. Engineer Office, Norfolk, Va., in Pamlico River-Bay River Sect. Inland Waterway from Norfolk, Va., to Beaufort inlet, N. C.

North Carolina—DREDGING—U. S. Engineer Office, Wilmington, in Sect. 5, Intracostal Waterway, Beaufort to Cape Fear River.

Fla., Jacksonville—DREDGING—U. S. Engineer Office, 105,900 cu.yd. mud, sand, shell and rock in Anchote River.

Miss., Greenwood — REMODELING — Treas. Dpt., at office Supervising Archt., Wash., D. C., rejected bids Aug. 10, U. S. Post Office. Noted Aug. 23.

La., New Orleans—WIRE STRAND—U. S. Engineer Office, 4th Mississippi River Dist., 2,250,000 lin.ft. ¼ in., 300,000 lin.ft. ⅜ in. and 200,000 lin.ft. ½ in. wire strand.

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Tenn., Memphis — TRACTORS — U. S. Engineer Office, 4 crawler type 2 ton tractors.

Ill., Chicago—DREDGING—U. S. Engineer Office, in Illinois River.

Wis., Milwaukee — DREDGING — U. S. Engineer Office, rejected bids dredging Sheboygan Harbor. Noted July 12.

Neb., Hastings—REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., rejected bids July 20, U. S. Post Office. Noted July 26.

Calif., San Diego—CRANE—Spec. 5713—Bureau Yards & Docks, Navy Dpt., Wash., D. C., 10 ton electric crane at Naval Operating Base (Air Station).

Cuba, Guantanamo Bay—GENERATORS—Spec. 5699—Bureau Yards & Docks, Navy Dpt., Wash., D. C., two 250 kw. diesel engine generators with starting equipment and exciter, motor-generator set, A.C. motors for existing centrifugal pump and air compressors and switchboard, at Naval Station. Noted July 12.

P. I., Canacao—BOILER PLANT EQUIPMENT — Spec. 5537—Pub. Wks. Office, Naval Station, Cavite, removing boiler plant equipment, replacing 2 water tube boilers, boiler settings, smoke breeching, guyed steel stack, oil burners, at Naval Hospital.

Bids Desired

N. Y., Buffalo—Sept. 4, by Bd. Supervs. Erie Co., rein.-con. paving 0.59 mi. Myrtle Ave. C.A.T.H. 178. G. Diehl, Ellicott Sq., co. engr.

N. Y., New York — ALTERING — Sept. 18, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Regional Office.

Pa., Phila.—GEERATOR—Sept. 18, by Treas. Dpt., at office Supervising Archt., Wash., D. C., motor generator for U. S. Mint.

D. C., Wash. — SEWER PIPE, etc. — Sept. 4, by A. L. Flint, genl. purch. office Panama Canal, vitr. sewer pipe, pig iron, car axels and wheels, track spikes, antifriction metal pig tin.

D. C., Wash.—FOUNDATIONS—Sept. 25, by Treas. Dpt., at office Supervising Archt., Wash., D. C., foundations for Dpt. of Commerce Building; adv. E. N.-R. Aug. 30. Noted Nov. 17.

D. C., Wash.—BRIDGE—Sept. 28, at office Executive Officer Arlington Memorial Bridge Comn., Navy Bldg., constructing Boundary Channel Bridge, Arlington Memorial Bridge Project; adv. E. N.-R. Aug. 30.

Va., Virginia Beach—RADIO TOWERS—Spec. 5680—Sept. 12, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., taking down, moving, re-erecting on new foundations two 150 ft. steel radio towers.

Ky., Outwood—FIRE ALARM SYSTEM—Sept. 18, by U. S. Veterans Bureau, Wash., D. C., fire alarm system.

O., Chillicothe — GREENHOUSE — Sept. 25, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., greenhouse and workroom at U. S. Veterans' Hospital.

O., Dayton—SHOP—Sept. 6, by Constructing Quartermaster, constructing shop extensions, at Wright Field.

O., Dayton—ROADS—Sept. 7, by Quartermaster Dpt., concrete roads at Wright Field.

O., Wooster — EXTENDING and REMODELING—Sept. 19, by U. S. Engineer Office, U. S. Post Office. Noted July 26.

Ill., Great Lakes (br. Waukegan) — PARAPET WALL — Spec. 5729 — Sept. 5, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing, rebuilding parapet wall and cornice at Naval Training Station.

Minn., Hastings—LOCK and DAM—Sept. 27, by U. S. Engineer Office, 516 Bremer Arcade Bldg., St. Paul, constructing lock and dam in Mississippi River, near here; adv. E. N.-R. Aug. 30. Noted Nov. 24.

Ariz., San Carlos—GATES—Sept. 10, by Dpt. Interior, Indian Irrigation Serv., Federal Bldg., Los Angeles, Calif., two hundred forty 18 x 36 in. circular lateral gates; eleven 6x12 ft. and 4x12 ft. automatic control gates; one hundred twenty 30x42 in. and 36x60 in. rectangular gates.

Wash., Olympia—REMODELING—Sept. 27, by Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office; adv. E. N.-R. Aug. 30.

Bids Received

Mass., Northampton—GREENHOUSE—U. S. Veterans' Hospital Bureau, Arlington Bldg., Wash., D. C., Aug. 21, greenhouse with workroom at U. S. Veterans' Hospital, from Ransom & Anderson Co., 136 Liberty St., New York, $13,566. Noted Aug. 9.

N. Y., Patchogue — DREDGING — U. S. Engineer Office 1st Dist., Army Bldg., Whitehall St., New York, 24,500 cu.yd. Great South Bay, from W. H. Gahagan Realty Co., Inc., 147 Remsen St., Brooklyn, $10,535.

N. Y., Rockaway Point (sta. Brooklyn)—BULKHEAD—Spec. 5647—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Aug. 22, repairing bulkhead at Naval Air Station, from Sprague Constr. Co., Inc., Plaza Bldg., Far Rockaway, $6,750.

D. C., Wash.—CONDUIT SYSTEM—D. Lynn, archt. of Capitol, Aug. 15, high tension conduit system between capitol power plant and U. S. Capitol Building, from M. Cain Co., 13 6th St., $28,950. Noted Aug. 2.

Va., Fort Myer—THEATRE—Constructing Quartermaster, Aug. 7, motion picture theatre, incl. fixtures, from L. T. Turner, $26,989 (120 days). Noted July 26.

Fla., Pensacola — REFRIGERATING EQUIPMENT—Spec. 5595—Bureau Yds. & Docks, Navy Dpt., Wash., D. C., at Naval Air Station Hospital, from Pyles Refrigerator Eng. Co., Baltimore, Md., $4,500. Noted Aug. 16.

Ill., Great Lakes (br. Waukegon)—REROOFING—Spec. 5700—Bureau Yards & Docks, Navy Dpt., Wash., D. C., reroofing Buildings 38 and 90, Naval Training Station, from Chicago Water Proofing & Roofing Co., 1108 West Adams St., Chicago, $3,683. Noted Aug. 9.

Ill., Paxton—POST OFFICE—Treas. Dpt. at office Supervising Archt., Wash., D. C., Aug. 20, U. S. Post Office, from F. R. Comb Co., 2113 Chicago Ave., Minneapolis, Minn., $59,950. Noted July 26.

S. D., Mitchell — EXTENSION — Treas. Dpt., at office Supervising Archt., Wash., D. C., extending and remodeling U. S. Post Office, from Ring Constr. Co., 95 South 11th St., Minneapolis, Minn., $41,683. Noted Aug. 23.

Colorado—ROAD—Bureau P. Rds., Custom House, Denver, Aug. 3, improving South St. Vrain Project, Larimer Co., from W. F. Pitt & Son, Inc., Denver, $27,998. Noted July 26.

Wash., Ellensburg — EARTHWORK — Bureau Reclamation, Dpt. Interior, Aug. 7, South Branch Canal, from Morrison & Knudsen, Boise, Idaho, $272,954. Noted July 12.

Oregon—ROAD—Bureau P. Rds., Portland, July 31, screened gravel bottom course and metaline highway surfacing, from A. L. Smith, Heppner, $13,917.

Ore., Portland—ROAD—Bureau P. Rds., Dpt. Agriculture, Aug. 8, clearing West Side Highway, Natl. Parks Rds., from A. G. Greenwood, 241 Bancroft St., $18,400.

Calif., San Diego—STOREHOUSE—Spec. 5704—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Aug. 22, storehouse at Naval Operating Base, from Lange & Bergstrom, Inc., Commonwealth Bldg., $94,500. Noted Aug. 2.

Cuba, Guantanamo Bay—RAILWAY—Spec. 5587—Bureau Yards & Docks, Navy Dpt., Wash., D. C., marine railway at Naval Station, from Newport Contg. & Eng. Co., Newport News, Va., $43,300. Noted July 19.

Contracts Awarded

Connecticut—DREDGING—U. S. Engineer Office, Providence, R. I., in Thames River, to Morris & Cummings Dredging Co., 15 Moore St., New York, $218,509. Noted Aug. 16.

N. Y., Albany—DREDGING—U. S. Engineer Office, Army Bldg., 39 Whitehall St., New York, dredging and rock removal in Hudson River, to Dunbar & Sullivan Dredging Co., 2312 Buhl Bldg., Detroit, Mich., $617,755. Noted July 5.

N. J., Fort Hancock—SEWAGE DISPOSAL — Quartermaster Dpt., sewage disposal system, to Red Bank Sanitary Co., Red Bank, $28,000.

Pa., Phila.—ROOF REPAIRS—U. S. Veterans' Hospital, Arlington Bldg., Wash., D. C., repairing Roofs 1 and 2 and Red Cross Hut, to G. A. Direling, Inc., 1716 North Market St., $3,232.

Delaware—DREDGING—U. S. Engineer Office, Wilmington, in Murdickill River, to Delaware Dredging Co., 139 South 3rd St., Phila., Pa., $8,747. Noted July 19.

North Carolina—DREDGING—U. S. Engineer Office, Norfolk, Va., Aug. 2, in Alligator River, to Atlantic, Gulf & Pacific Co., 13 Park Row, New York, $168,038. Noted July 5.

Ind., Hammond—REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., court house and post office, to W. MacDonald Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $139,446. Noted July 19.

Michigan—DREDGING—U. S. Engineer Office, Detroit, Dredging Course 7, Middle Neebish Channel, St. Mary's River, to Duluth Superior Dredging Co., foot 45th St., Duluth, Minn., $204,453. Noted Aug. 23.

Wis., Milwaukee — DREDGING — U. S. Engineer Office, at Green Bay Harbor, to Grelling Eng. Co., Green Bay, $241,323. Noted Aug. 9.

Federal Government Work (Continued)

Tex., Fort Sam Houston (sta. San Antonio) — BARRACKS — Office Constructing Quartermaster, 2 Infantry Battalion Barracks, to Walsh & Burney, Inc., 928 North Flores St., San Antonio, $586,500. Noted July 26.

Tex., Galveston—CUTTER and BLADES—U. S. Engineer Office, for dredge "Raymond," to J. and J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., $2,401.

Wash., Sands Point — SEWER — Spec. 5719 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., sanitary sewerage system and disposal plant at Naval Operating Base, to McHugh & Coluccio, Inc., 1450 Ellicott Ave. W., Seattle, $17,925 (150 days).

Calif., San Diego—ROADS—Spec. 5720—Bureau Yards & Docks, Navy Dpt., Wash., D. C., roads, walks, grading at Naval Operating Base, to DeWaard & Son, 207 Granger Bldg., $8,484 (90 days).

Calif., Sawtelle — MESS HALL, etc. — National Home for Disabled Volunteer Soldiers, 1 story, 60 x 200 ft., and two 2 story, 70 x 200 ft. end wings, rein.-con. mess hall and dormitory, Soldiers Home, to R. E. Campbell, 108 West 6th St., Los Angeles, $182,400. Noted July 12.

FEDERAL POWER COMMISSION

Application for License and Permits

Applications

904—Kentucky Utilities Co., 1350 Starks Bldg., Louisville, Ky., wants license power project in Kentucky River at U. S. Dams and Locks 6, 5, 4 and 3, Mercer, Woodford, Franklin and Owen Counties.

905—A. E. Ovington, Ovington, Wash., wants license power project on Ovington Creek, within Olympic Natl. Forest, Clallam Co.

906—Bedford Pulp & Paper Co., Inc., Richmond, Va., wants license power project on James River, partly within Natural Bridge Natl. Forest, Amherst Co.

907—S. B. Collins, 1765 Glencoe, Denver, Colo., wants preliminary permit power project on Clear Creek, within Rio Grande Natl. Forest, Hinsdale and Mineral Counties.

908—W. F. Drew, Blairsden, Calif., wants license power project in Little Grey Eagle Creek, within Plumas National Forest, Plumas Co.

909 — Idaho Power Co., Boise, Idaho, wants license transmission line on public lands in Baker Co.

910—Afton Electric Co., Afton, Wyo., wants license power project on Swift creek within Wyoming Natl. Forest, Lincoln Co.

911—Western States Gas & Electric Co., 345 Market St., San Francisco, Calif., wants license transmission line partly on public lands in Eldorado, Amador and Calavoras Counties.

912—Public Utilities Consolidated Corp., Globe, Ariz., wants license power project on Placer Creek, within Coeur d'Alene Natl. Forest, Shoshone Co., Idaho.

913—Virginia Public Service Co., Charlottesville, Va., wants license partly constructed transmission line within Natural Bridge Natl. Forest, Rockridge Co.

914—Dixie Power Co., Cedar City, Utah wants license transmission line on public lands in Washington Co.

915—B. H. Kizer, J. E. Ferris, A. H. Sperry and E. Logan, Peyton Bldg., Spokane, Wash. wants preliminary permit power project on Sheep Creek, Columbia River within Colville Natl. Forest and partly on Public lands in Stevens Co.

916—Virginia Carolina Power Co., Roanoke Rapids, N. C., wants preliminary permit power project on Roanoke River, Halifax, Northampton and Warren Counties. North Carolina and Mecklenburg and Brunswick Counties, Virginia.

Unclassified

Proposed Work

PLAYGROUND — **Buffalo, N. Y.** — City converting old Clinton Street Market site into playground; improving Houghton Park. R. J. Kinkel, Elmwood Music Hall, landscape archt. C. E. P. Babcock, city engr.

SHELTER HOUSES—**Buffalo, N. Y.**—City shelter houses at playground at School 62, Sperry Park, The Terrace, Chicago, Sullivan and Chandler Sts. H. L. Beck, 374 Delaware Ave., city archt.

WING WALLS—**Buffalo, N. Y.**—City constructing wing walls, on both sides dam in Cazenovia Creek, Cazenovia Park; and repairing damage to buttress walls. C. E. P. Babcock, Municipal Bldg., engr.

ATHLETIC FIELD — **North Caldwell** (br. Caldwell), **N. J.** — See "Buildings—Commercial."

GAS MAINS and DISTRIBUTING SYSTEM—**Pearsall, Tex.**—J. G. Pundt, 436 Peck Ave., San Antonio, 30 mi. 6 and 8 in. natural gas mains between gas fields and city limits, $100,000; distribution system, $25,000. Owner probably builds by day labor. Private plans.

LOCOMOTIVE TERMINAL—**Smithville, Tex.**—Missouri, Kansas & Texas R.R., F. Ringer, ch. engr., Ry. Exch. Bldg., St. Louis, Mo., soon lets contract brick, steel, concrete locomotive terminal and facilities. $200,000.

PARK IMPROVEMENTS — **Oklahoma City, Okla.**—Oklahoma Ry. Co., 209 Terminal Bldg., G. B. Treat, ch. engr., expending $300,000 rebuilding Belle Isle Amusement Park. H. R. Hudson, pres.

TUNNEL—**California**—Hy. Dist. Alameda Co. (Oakland) and Contra Costa Co. (Martinez) Victor Highway — Broadway Tunnel, 2,290 ft. long. $750,000. G. A. Posey, Oakland, surv. former and R. R. Arnold, Martinez, surv. latter counties.

BATH-HOUSE and PLUNGE—**Carlsbad, Calif.**—See "Buildings-Commercial."

WHARF—**Oakland, Calif.**—Oakland City Port Comn., Oakland Bank Bldg., preliminary plans wharf foot of 9th Ave. Est. exceeds $150,000. Private plans.

ORNAMENTAL LIGHTING SYSTEM—**Oroville, Calif.** — City preliminary plans ornamental lighting system in business district. To exceed $25,000. S. J. Norris, city engr.

WHARVES, etc. — **Montreal, Que.** — Montreal Harbor Comn., 3,000 ft. wharf, several smaller wharves, 3 new port sheds.

GRAIN ELEVATOR — **Prescott, Ont.** — Dpt. P. Wks., Ottawa, soon takes bids 1,500,000 bu. grain elevator.

Bids Desired

OFFAL RECEIVING PLATFORM — **Cambridge** (br. Boston), **Mass.**—Sept. 5, by City, J. J. Terry, supt. Pub. Buildings, City Hall, and Blackall, Clapp & Whittemore, archts., 31 West St., Boston, concrete, timber offal receiving platform, Raymond and New Sts. $60,000. Former bids rejected. Noted July 19.

CADDY HOUSE—**Buffalo, N. Y.**—Sept. 4, by G. Fisk, comr. P. Wks., caddy and locker houses on golf course, end Wildwood Ave. in Cazenovia Park. $40,000. H. Beck, 374 Delaware Ave., city archt.

BULKHEAD—**New York, N. Y.**—Sept. 5, by H. Bruckner, pres. Bronx Boro, Croton Park, 3rd and Tremont Aves., bulkhead and foundation, piles and oil storage tank, used in connection with extension and addition of Bronx Boro Asphalt Plant, Edgewater Rd.

SPECIAL WORK—**New York, N. Y.**—Sept. 4, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., special work and contact rail materials for use in construction Rapid Transit R.R.

FERRY SLIP—**Milwaukee, Wis.**—Sept. 6, by Harbor Comrs., car ferry slip for Municipal Car Ferry Terminal on Jones Island. $200,000. C. U. Smith, dir.

DIESEL OIL ENGINE—**Wayne, Neb.**—Sept. 6, by W. J. Bressley, clk., 600 hp. Diesel oil engine. $54,000. Nixon & Reynolds, Grain Exch. Bldg., Omaha, engrs.

GAS PIPE LINE—**San Antonio, Tex.**—See "Contracts Awarded."

WALLS, FENCES and COPING — **San Francisco, Calif.**—See "Streets and Roads."

HEATING PLANT — **London, Ont.** — Sept. 11, by W. P. Near, engr., City Hall, 1,400 hp. water tube boiler with automatic underfeed stokers at city hospital, for City Council. $35,000.

PIER—**Whitby, Ont.**—Sept. 4, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, reconstructing 513 ft. superstructure Western Entrance Pier.

Bids Received

SUBWAY—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Sect. 2, Route 106, Rapid Transit R.R. along and under McCombs Park Dam, East 161st St., Grand Blvd. and Concourse, from La Rocca Constr. Co., 717 St. Nicholas Ave., $5,922,000. Noted Aug. 9.

Contracts Awarded

PIER EXTENSION—**Buffalo, N. Y.**—City, Bird Island Pier improvement, rock filled timber cribs sunk on prepared foundation, and submerged extension at trunk sewer to Amer. Constr. & Dredging Co., Inc., Genesee Bldg., $109,792 and $84,397 respectively.

PIER—**Bayonne, N. J.**—Gulf Refining Co., foot East 5th St., general contract 550 ft. concrete pier, Constable Hook, to Foundation Co., 120 Liberty St., New York. Est. $175,000.

PIER TERMINAL—**Miami, Fla.**—Clyde Steamship Co., Pier 36, North River, New York, pier terminal, to Gunn & Goll, Security Bldg., $30,000. Noted July 12 under "Buildings—Industrial."

CULVERTS—**Cleveland, O.**—City, 486 x 12 ft. rein.-con. culvert in Forest Hill Parkway, to Speedway Constr. Co., 3441 Lee Rd., $18,000—culvert in Giddings Brook, to C. L. Moore, 14630 Strathmore Ave., $22,587.

GRADE SEPARATION—**Detroit, Mich.**—Wayne Co. Rd. Comn., 3800 Barlum Tower, grade separation to carry highway under Pere Marquette tracks, on Warren Ave., to Clossser Bros., 8427 Senator Ave. $80,000.

GAS LINE—**Texas and Oklahoma**—Consolidated Gas Utilities Co., Amarillo, Tex., and Enid, Okla., 160 mi. 16 in. gas pipe line between point near Amarillo, Tex., to Enid, Okla., to Williams Bros., Inc., c/o owners, $4,500,000.

GAS PIPE LINE—**San Antonio, Tex.**—San Antonio Pub. Serv. Co., c/o E. H. Kifer, St. Marys and Crockett Sts., 21 mi. 8 in. gas pipe-line around city, own forces. $325,000. Private plans.

AERODROME and SEAPLANE STATION—**Ottawa, Ont.**—Dpt. Natl. Defence, aerodrome and seaplane station, at Rockliffe, to MacDonald Bros., 212 Gloucester St., $53,000. Noted Nov. 3.

Materials

Bids Desired

STEEL PIPE, etc.—**Wash., D. C.**—Sept. 10, by A. L. Flint, genl. purch. officer Panama Canal, steel pipe, boiler tubes, chain, street lamp bases and shafts, insulated wire and cable, transformers.

TURNTABLES—**Cincinnati, O.**—Sept. 4, by H. C. Potter, at office W. J. Hiner, purch. agt. Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., 230 East 9th St., 110 foot turntables.

LAMP STANDARDS — **Chicago, Ill.** — Sept. 6, by Dpt. Gas & Electricity, City Hall, ornamental c.i. lamp standards. M. J. Kennedy, comr.

RUBBER FLOORING—**Milwaukee, Wis.**—Sept. 5, by Central Bd. purchases, J. W. Nicholson, purch. agt., 20,543 sq.ft. rubber flooring for Cedar and 16th Street Bridges; 700 grey iron harp castings. Former bids rejected.

STRUCTURAL STEEL—**Sioux City, Ia.**—Sept. 4, at office Auditor Woodbury Co., 25,663 lb. structural steel for bridge. J. C. McLean, Sioux City, co. engr.

TANKS—**Minneapolis, Minn.**—Sept. 11, by F. S. Gram, city purch. agt., three 25,000 gal. oil tanks for Ward 13. N. W. Elsberg, city engr.

Bids Received

ASPHALT SAND, etc.—**Brooklyn, N. Y.**—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Aug. 22, 10,000 cu.yd. asphalt sand, from Z. Mahoney, 557 46th St., $10,000; 4,500 cu.yd. 1½ in. coarse aggregate, from Colgan Contg. Co., 90 William St., New York, $6,840.

CAST IRON PIPE—**Chicago, Ill.**—City, City Hall, 1,920 tons 8 and 12 in. water pipe f.o.b. cars various pipe yards, from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd. and Glamorgan Pipe & Fdry. Co., 128 South Michigan Ave., at $41.90 per ton each. Noted Aug. 23.

Contracts Awarded

OUTSIDE FACE BRICK—**Minneapolis, Minn.**—F. S. Gram, city purch. agt., 460,000 outside face brick, to Wunder-Klein-Donohue Co., 610 Baker Bldg., at $23 per 1,000.

Foreign

New Zealand, Wellington—Nov. 27, by Secretary P. Wks., Supplies & Tenders Com., 16,666 kva. generators and turbines. 2 turbines complete, 1 set spare parts and tools, 2 generators and exciters complete, 1 set spare parts and tools.

See proposal advertising on page 111

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UNIT PRICES

Dam—Albany, N. Y.

Ten bids were opened by Board of Water Supply, July 9, Alcove Dam at Hannacroix Creek; difference between low and average, 27 per cent. Dam is part of Albany's new water supply project. Whitman, Requardt & Smith, 11 North Pearl St., Albany, engineers. Robert E. Horton, Voorheesville, consulting engineer. Bids of engineer, lowest seven and highest bidders, are given below. (A) Engineer's Estimate; (B) Winston & Co., Kingston, (awarded contract); (C) J. J. Finn & Son, Albany; (D) A. Phelps & Sons, Detroit; (E) S. J. Groves & Sons Inc., Minneapolis; (F) Scott Bros. Co., Inc., Rome; (G) Rinehart & Dennis Co., Charlottesville, Va.; (H) J. M Ludington Sons, Inc., Rochester; (I) A. E. Johnson Corp., Long Island City.

	A	B	C	D	E	F	G	H	I
Stream control (lump sum)	$10,000.00	$4,000.00	$1,665.00	$2,000.00	$2,500.00	$2,000.00	$20,000.00	$3,500.00	$5,000.00
Clearing and grubbing (lump sum)	3,000.00	3,000.00	2,220.00	5,000.00	1,500.00	7,500.00	2,000.00	1,200.00	7,000.00
Stripping excavation, cu.yd.	1.00	1.00	.61	1.00	.75	.70	.75	1.00	1.00
Gen. earth excavation, cu.yd.	.75	.60	.70	1.00	.75	.70	.75	1.00	1.40
Trench excavation—0 to 10 ft., cu.yd.	1.60	2.00	.67	3.00	1.25	2.00	1.00	1.65	2.20
Trench excavation—10 to 15 ft., cu.yd.	3.00	4.00	.78	4.50	3.00	3.50	2.00	3.00	3.50
Trench excavation—15 to 20 ft., cu.yd.	4.50	6.50	.89	6.75	6.00	5.00	3.00	4.00	6.50
Trench excavation—over 20 ft., cu.yd.	6.00	8.00	1.11	12.00	10.00	9.00	4.00	6.00	10.00
General rock excavation, cu.yd.	3.75	1.30	5.00	3.25	2.50	3.75	1.50	2.50	3.65
Rock excavation—(no blasting), cu.yd.	7.50	2.80	10.00	8.00	8.00	10.00	4.00	6.00	11.50
Grouting—in place, cu.yd.	35.00	8.00	27.00	25.00	45.00	15.00	50.00	40.00	33.75
Drill holes in rock or masonry, lin.ft.	2.00	1.00	6.66	3.65	2.00	.75	1.00	.50	1.00
Consolidated embankment, cu.yd.	.75	.60	.53	.51	.65	.675	.75	.75	.62
Top soil, sq.yd.	.25	.20	.09	.10	.25	.15	.20	.20	.20
Grassing, sq.yd.	.08	.02	.08	.03	.05	.05	.10	.10	.04
Slope paving, cu.yd.	.25	4.00	4.46	4.00	4.00	3.50	6.00	4.00	5.50
Grouted slope paving, cu.yd.	5.00	6.50	5.30	8.00	7.00	5.35	8.00	7.60	9.20
Concrete—heavy section, cu.yd.	12.50	9.50	12.75	13.50	11.00	11.25	12.00	13.00	14.20
Concrete—moderate section, cu.yd.	15.50	14.00	16.50	15.00	16.00	15.50	15.00	15.00	16.80
Concrete—thin section, cu.yd.	18.50	20.00	17.66	21.00	22.00	17.50	20.00	25.00	26.00
Concrete in hand rail, cu.yd.	35.00	40.00	38.53	40.00	40.00	60.00	50.00	35.00	46.00
Concrete protection, sq.ft.	.03	.03	.06	.04	.06	.05	.02	.04	.04
Membrane waterproofing, sq.yd.	1.60	1.00	1.25	1.00	1.50	1.50	1.00	.25	1.15
Steel reinforcement, lb.	.055	.05	.045	.045	.06	.045	.05	.05	.0625
Sluice gates (lump sum)	14,750.00	8,500.00	11,428.00	11,000.00	12,000.00	12,500.00	7,000.00	9,200.00	11,155.00
Gate and miscellaneous valves (lump sum)	700.00	600.00	660.00	800.00	1,200.00	350.00	500.00	875.00	1,015.00
Miscellaneous iron and steel, lb.	.12	.14	.25	.24	.30	.185	.20	.17	.30
Iron castings, lb.	.08	.07	.24	.075	.12	.10	.10	.10	.15
Steel pipe (lump sum)	10,250.00	10,000.00	13,220.00	17,000.00	11,000.00	12,500.00	12,000.00	10,700.00	17,400.00
Cast iron pipe, lb.	.04	.05	.05	.06	.06	.055	.04	.06	.10
Flanged pipe and spec. castings, lb.	.08	.10	.095	.10	.10	.0625	.10	.10	.15
Venturi meter (lump sum)	1,250.00	1,200.00	1,238.00	1,400.00	1,000.00	1,200.00	1,500.00	1,045.00	1,600.00
Gate house screens (lump sum)	650.00	900.00	1,196.00	1,095.00	1,000.00	1,050.00	1,000.00	1,300.00	1,300.00
Gate house superstructure (lump sum)	11,500.00	9,000.00	8,824.00	6,775.00	10,000.00	7,000.00	10,000.00	8,800.00	7,400.00
Overhead crane (lump sum)	1,150.00	750.00	1,272.00	800.00	1,000.00	1,200.00	1,000.00	820.00	1,275.00
Electrical work (lump sum)	3,000.00	4,500.00	3,219.00	2,450.00	3,500.00	3,700.00	3,500.00	3,200.00	4,200.00
Road paving, sq.yd.	3.00	1.00	1.53	1.30	1.75	4.00	4.00	2.00	2.20
Guard rail, lin.ft.	.80	1.25	.78	.50	1.00	1.25	1.00	1.25	1.10
Stop planks (lump sum)	1,000.00	2,000.00	1,774.00	2,185.00	400.00	1,000.00	2,000.00	2,050.00	500.00
Lumber in place, M. ft. B.M.	60.00	.01	.07	40.00	50.00	85.00	75.00	65.00	.01
Cleaning up (lump sum)	5,000.00	1,000.00	1,665.00	1,500.00	1,000.00	1,000.00	5,000.00	2,000.00	7,500.00
Totals	$927,704	$747,449	$864,816	$866,190	$873,250	$873,552	$903,855	$926,740	$1,007,654

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Tunnel—Albany, N. Y.

Seven bids were opened by Board of Water Supply, July 26, Basic Creek Tunnel in Westerlo, difference between low and average, 20 per cent. This is the third link in new $12,000,000 water supply for Albany. Bidders are: (A) S. J. Groves & Sons, Inc., 306 Globe Bldg., Minneapolis, Minn. (awarded contract); (B) Tunnel Building Co., Philadelphia; (C) Rinehart & Dennis Co., Inc., Charlottesville, Va.; (D) Mason & Hanger, New York; (E) J. P. White Co., Passaic, N. J.; (F) J. F. Murphy Construction Co., Inc., New York; (G) A. E. Johnson Corp., Long Island City; (H) Engineer's Estimate. Whitman, Requardt & Smith, 11 North Pearl St., engineers. Robert E. Horton, Voorheesville, consulting engineer.

	A	B	C	D	E	F	G	H
3,300 cu.yd. earth excavation	$2.00	$2.20	$2.00	$3.00	$2.00	$3.00	$1.20	$1.75
50 cu.yd. rock excavation	6.00	3.50	5.00	8.00	8.00	4.00	10.00	5.00
200 cu.yd. grout	50.00	18.50	50.00	25.00	25.00	15.00	33.75	50.00
475 cu.yd. paving	7.00	5.00	5.00	5.00	3.00	12.00	5.50	3.50
1,075 cu.yd. concrete masonry	20.00	18.50	25.00	25.00	18.00	18.00	18.00	18.00
84,000 sq.ft. concrete protection	.06	.02	.10	.05	.03	.15	.04	.03
103,000 lb. reinforcing steel	.06	.04	.06	.05	.06	.06	.06	.055
6,000 lb. miscellaneous iron and steel	.10	.10	.20	.20	.06	.10	.15	.15
3,800 lb. cast iron pipe	.05	.05	.10	.075	.05	.07	.035	.04
Gate valve (complete) (lump sum)	50.00	45.00	100.00	50.00	50.00	100.00	100.00	50.00
45 M. ft. b.m. lumber left in place	35.00	60.00	1.00	20.00	70.00	30.00	.01	60.00
1,690 lin.ft. tunnel in earth	55.00 "A"	71.00"D"	65.00"D"	67.50	95.00	94.50"B"	102.50"B"	69.00
720 lin.ft. tunnel in earth and rock	60.00 or	71.00"D"	65.00"D"	67.50	95.00	90.00"B"	102.50"B"	80.00
400 lin.ft. tunnel in rock	65.00 "B"	71.00"D"	65.00"D"	67.50	95.00	90.00"B"	102.50"B"	85.00
Totals	$217,510	$242,243	$245,055	$246,010	$312,175	$319,751	$331,871	$270,096

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